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MONTHLY LIST OF PUBLICATIONS

JANUARY 1941

Any five of the nontechnical publications listed herein, unless indicated "For sale only," may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the Department's supply lasts. After this supply is exhausted, publications may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., by purchase at the prices stated herein. His office is not a part of the Department of Agriculture.

Free distribution of technical material and periodicals is restricted.

FARMERS' BULLETINS

Strawberry culture: South Atlantic and Gulf Coast regions. George M. Darrow, Bureau of Plant Industry. 40 p., illus. (F. B. 1026F., rev.) Price 10¢.

Frost and the prevention of frost damage. Floyd D. Young, Weather Bureau. 66 p., illus. (F. B. 1588F., rev.) Price 10¢.

Lettuce growing. W. R. Beattie, Bureau of Plant Industry. 30 p., illus. (F. B. 1609F., rev.) Price 5¢.

Feeding dairy cows. T. E. Woodward, Bureau of Dairy Industry. 34 p., illus. (F. B. 1626F., rev.) Price 5¢.

Supplemental irrigation. F. E. Staebner, Soil Conservation Service. 74 p., illus. (F. B. 1846F.) Price 10¢.

Lespedeza culture and utilization. Roland McKee, Bureau of Plant Industry. 14 p., illus. (F. B. 1852F.) Price 5¢.

Electric motors for the farm. Harry L. Garver, O. A. Brown, J. T. Bowen, and R. B. Gray, Bureau of Agricultural Chemistry and Engineering. 29 p., illus. (F. B. 1858F.) Price 5¢.

Closets and storage spaces. Maud Wilson, Bureau of Home Economics, J. Robert Dodge, Bureau of Agricultural Chemistry and Engineering, and Elma Edwards, Bureau of Home Economics. 22 p., illus. (F. B. 1865F.) Price 5¢.

LEAFLETS

Mulching to establish vegetation on eroded areas of the Southeast. Sydney Franklin, Soil Conservation Service. [8] p., illus. (Leaf. 190L., rev.) Price 5c.

Grafting-wax melter. B. G. Sitton and E. P. Akin, Bureau of Plant Industry. 5 p., illus. (Leaf. 202L.) Price 5¢.

Disease-resistant varieties of vegetables for the home garden. R. J. Haskell, Extension Service and Bureau of Plant Industry, and V. R. Boswell, Bureau of Plant Industry. 8 p., illus. (Leaf. 203L.) Price 5¢.

The horn fly and its control. W. G. Bruce, Bureau of Entomology and Plant Quarantine. 5 p., illus. (Leaf. 205L.) Price 5¢.

Culture of orchids. David Lumsden, Bureau of Entomology and Plant Quarantine, and Furman Lloyd Mulford, Bureau of Plant Industry. 8 p., illus. (Leaf. 206L.) Price 5¢.

Controlling gapeworms in poultry. Everett E. Wehr, Bureau of Animal Industry. 6 p., illus. (Leaf. 207L.) Price 5¢.

Gas treatment for the control of blue mold disease of tobacco. Edward E. Clayton, John G. Gaines, Kendall J. Shaw, Thomas E. Smith, and Thomas W. Graham, Bureau of Plant Industry. 8 p., illus. (Leaf. 209L.) Price 5¢.

TECHNICAL BULLETINS

Gross farm income and indices of farm production and prices in the United States 1869-1937. Frederick Strauss, Bureau of Agricultural Economics and National Bureau of Economics Research, Inc., and Louis H. Bean, Bureau of Agricultural Economics. 154 p., illus. (T. B. 703T.) Price 20¢.

Decay and other volume losses in windthrown timber on the Olympic Peninsula, Wash. T. S. Buchanan and G. H. Englerth, Bureau of the Plant Industry. 30 p., illus. (T. B. 733T.) Price 5¢.

CIRCULARS

New fertilizer materials. Albert R. Merz, Bureau of Agricultural Chemistry and Engineering. 16 p., illus. (Cir. 185C., rev.) Price 5c.¹

The use of chlorine gas as a seed disinfectant. R. W. Leukel, Bureau of Plant Industry, and O. A. Nelson, Bureau of Entomology and Plant Quarantine. 16 p., illus. (Cir. 576C.) Price 5¢.

Citrus fruit products. E. M. Chace, H. W. von Loesecke, and J. L. Heid, Bureau of Agricultural Chemistry and Engineering. 47 p., illus. (Cir. 577C.) Price 10¢.

The Atlantic, Pemberton, and Burlington blueberries. George M. Darrow, Bureau of Plant Industry, and J. H. Clark, New Jersey Agricultural Experiment Station. 8 p., illus. (Cir. 589C.) Price 5¢.

A rapid method for projecting and measuring cross sections of wool fibers. James O. Grandstaff and Walter L. Hodde, Bureau of Animal Industry. 11 p. (Cir. 590C.) Price 5¢.

Machinery for growing corn. C. K. Shedd, Bureau of Agricultural Chemistry and Engineering, and J. B. Davidson and E. V. Collins, Iowa Agricultural Experiment Station. 30 p., illus. (Cir. 592C.) Price 5¢.

The Maytime, Starbright, and Redstar strawberries. George M. Darrow, Bureau of Plant Industry. 5 p., illus. (Cir. 597C.) Price 5¢.

MISCELLANEOUS PUBLICATIONS

Family income and expenditures: Five regions. Part 2, family expenditures. Urban and village series. Dorothy S. Brady, Day Monroe, Elizabeth Phelps, and Edith Dyer Rainboth, Bureau of Home Economics, in cooperation with Works Projects Administration. 410 p., illus. (M. P. 396M.) Price 40¢.

The story of soil conservation in the South Carolina Piedmont 1800-1860. Arthur R. Hall, Soil Conservation Service. 36 p., illus. (M. P. 407M.) Price 10¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

To prevent the spread of splenetic or tick fever in cattle. Rule 1, revision 39. Bureau of Animal Industry. 4 p. (B. A. I. Order 374)²

Regulations for warehousemen storing cold-pack fruit under the United States Warehouse Act. Agricultural Marketing Service. Service and regulatory announcements No. 159. October 1940. (S. R. A.-A. M. S. 159). 20 p.²

Bureau of Animal Industry. Service and regulatory announcements. November 1940. Pp. 107-114. (S. R. A.-B. A. I. 403). Price 25¢ a year, 5¢ a copy.³

¹ Copies may be obtained from the Bureau of Plant Industry.

² These may be obtained from the issuing bureau.

³ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

Indicate below, by numbers IN NUMERICAL ORDER, bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelope to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired, please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication. Requests for change of address must show old as well as new address.
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Farmers' Bulletins	Leaflets	Other publications

OTHER PUBLICATIONS

- Eat the right food to help keep you fit. Folder. Price 5¢.
- European war, national defense, and American agriculture. 6 p., illus.
- If the well runs dry. Howe Bancroft, Bureau of Agricultural Economics. 8 p., illus. Price 5¢. For sale only.
- Leaders on the land. A report of cooperative extension work in agriculture and home economics in 1939. C. W. Warburton and Reuben Brigham, Extension Service. 39 p. Price 10¢.
- Report of the administrative official in charge of surplus removal and marketing agreement programs, 1940. Milo Perkins. 83 p. Price 15¢. Restricted distribution.
- Report of the Chief of the Bureau of Agricultural Chemistry and Engineering, 1940. Henry G. Knight. 86 p. Price 10¢.
- Report of the Chief of the Bureau of Animal Industry, 1940. J. R. Mohler. 90 p. Price 10¢.
- Report of the Chief of the Bureau of Dairy Industry, 1940. O. E. Reed. 53 p. Price 10¢.
- Report of the Chief of the Bureau of Entomology and Plant Quarantine, 1940. Lee A. Strong. 128 p. Price 15¢.
- Report of the Chief of the Bureau of Plant Industry, 1940. E. C. Auchter. 56 p. Price 10¢.
- Report of the Chief of the Food and Drug Administration, 1940. W. G. Campbell. 30 p. Price 5¢.
- Report of the Chief of the Forest Service, 1940. Earle H. Clapp, Acting Chief. 42 p. Price 10¢. Restricted distribution.
- Report of the Chief of the Soil Conservation Service, 1940. H. H. Bennett. 64 p. Price 10¢.
- Report of the Director of Finance, 1940. W. A. Jump. 32 p. Price 5¢.
- Report of the Director of Personnel, 1940. Roy F. Hendrickson. 26 p. Price 10c.
- Report of the President of the Commodity Credit Corporation, 1940. Carl B. Robbins. 22 p. Price. 10¢. Restricted distribution.
- Report of the Secretary of Agriculture. Henry A. Wallace. 184 p. Price 15¢.
- The second annual report of the Manager of the Federal Crop Insurance Corporation, 1940. Leroy K. Smith. 29 p. Price 10¢.

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PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 25, No. 1, January 1941. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.³

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Experiment station record. Vol. 83, No. 6, December 1940. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign.³ Single numbers for sale only. Price 15¢.

A technical review of scientific literature pertaining to agriculture.

Extension service review. Vol. 12, No. 1, January 1941. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign.³

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Foreign agriculture. Vol. 5, No. 1, January 1941. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.60 a year, foreign.³

A 48-page monthly periodical containing articles on foreign government policies relating to agriculture, foreign agricultural production and international trade in agricultural products. The articles in general are the result of special research or field investigations conducted by the office staff or commodity specialists of the Office of Foreign Agricultural Relations. Designed primarily for those who are interested in following changes in foreign policies as they affect agriculture.

Journal of agricultural research. Price, \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.³ Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. The Office of Information has none for general distribution.

G-1155. (In Vol. 60, No. 4.) Production of epinasty by emanation from normal and decaying citrus fruits and from *Penicillium digitatum*. Erston V. Miller, J. R. Winston, and D. F. Fisher.

G-1163. (In Vol. 60, No. 7.) Effect of algae in relation to aeration, light and sources of phosphorus on growth of tobacco in solution cultures. Henry B. Engle and J. E. McMurtrey, Jr.

Wash.-34. (In Vol. 60, No. 9.) The resistance of progeny of Katahdin potatoes to viroses. Leon K. Jones, C. L. Vincent, and Earl F. Burk.

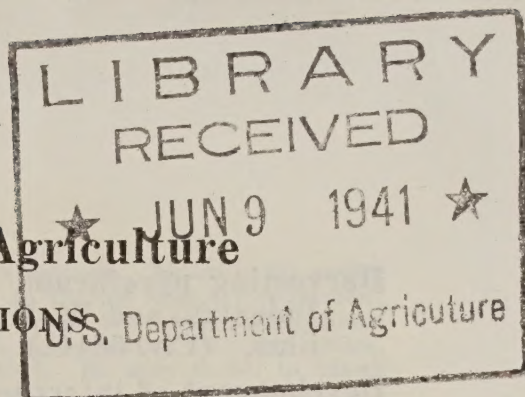
_____. Vol. 6, No. 3, August 1; No. 4, August 15, 1940.

Soil conservation. Vol. 6, No. 7, January 1941. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.³

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

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FARMERS' BULLETINS

Irrigation practices in growing alfalfa. Samuel Fortier, Bureau of Agricultural Engineering. Revised by Harry F. Blaney, Leslie Bowen, Paul A. Ewing, M. R. Lewis, James C. Marr, R. L. Parshall, and A. A. Young, Soil Conservation Service. 27 p., illus. (F. B. 1630F., rev.) Price 5¢.

LEAFLETS

Blueberries. George M. Darrow, Bureau of Plant Industry. 8 p., illus. (Leaf. 201L.) Price 5¢.

TECHNICAL BULLETINS

Anatomical structure of the cottonseed coat as related to problems of germination. D. M. Simpson and Caroline L. Adams, Bureau of Plant Industry, and G. M. Stone, University of Tennessee Agricultural Experiment Station. 24 p., illus. (T. B. 734T.) Price 5¢.

Yields of barley varieties in the United States and Canada, 1932-36. G. A. Wiebe, Bureau of Plant Industry, P. R. Cowan, Dominion Department of Agriculture, Canada, and Lucille Reinbach-Welch, Bureau of Plant Industry. 78 p. (T. B. 735T.) Price 10¢.

Yield, chemical composition, and feeding value for milk production of alfalfa hay cut at three stages of maturity. J. R. Dawson, D. V. Kopland, and R. R. Graves, Bureau of Dairy Industry. 52 p., illus. (T. B. 739T.) Price 10¢.

Composition of American gum turpentine exclusive of the pinenes. T. C. Chadwick and S. Palkin, Bureau of Agricultural Chemistry and Engineering. 16 p., illus. (T. B. 749T.) Price 5¢.

Rock weathering and soil profile development in the Hawaiian Islands. G. J. Hough, P. L. Gile, and Z. C. Foster, Bureau of Plant Industry. 44 p. (T. B. 752T.) Price 10¢.

Cotton-price relationships and outlets for American cotton. L. D. Howell, Bureau of Agricultural Economics. 40 p., illus. (T. B. 755T.) Price 5¢.

The corrosive effect of chlorine and lye solutions on metals used in dairy equipment. H. S. Haller, F. M. Grant, and C. J. Babcock, Bureau of Dairy Industry. 28 p., illus. (T. B. 756T.) Price 5¢.

Residual effects of forcing and hardening of tomato, cabbage, and cauliflower plants. M. F. Babb, Bureau of Plant Industry. 35 p., illus. (T. B. 760T.) Price 10¢.

Seasonal distribution of rainfall in relation to yield of winter wheat. J. E. Pallesen, Agricultural Marketing Service, and H. H. Laude, Kansas Agricultural Experiment Station. 12 p., illus. (T. B. 761T.) Price 5¢.

CIRCULARS

Studies on the "raisining" of Alexandria (Muscat) grapes in transit. C. E. Asbury, C. O. Bratley, and W. R. Barger, Bureau of Plant Industry. 11 p., illus. (Cir. 574C.) Price 5¢.

Some factors affecting the progeny testing of rams. Ralph W. Phillips, R. G. Schott, W. V. Lambert, and G. W. Brier, Bureau of Animal Industry. 18 p., illus. (Cir. 580C.) Price 5¢.

Harvesting pyrethrum. A. F. Sievers and M. S. Lowman, Bureau of Plant Industry, and W. M. Hurst, Bureau of Chemistry and Engineering. 28 p., illus. (Cir. 581C.) Price 5¢.

Development of interspecific tomato hybrids of horticultural value and highly resistant to fusarium wilt. William S. Porte and Frederick L. Wellman, Bureau of Plant Industry. 19 p., illus. (Cir. 584C.) Price 5¢.

Ramie fiber production. Brittain B. Robinson, Bureau of Plant Industry. 15 p., illus. (Cir. 585C.) Price 5¢.

The growth and composition of the fruit of okra in relation to its eating quality. C. W. Culpepper and H. H. Moon, Bureau of Plant Industry. 18 p., illus. (Cir. 595C.) Price 5¢.

The Imperial strains of lettuce. I. C. Jagger, Thomas W. Whitaker, J. J. Uselman, and Walter M. Owen, Bureau of Plant Industry. 16 p., illus. (Cir. 596C.) Price 5¢.

MISCELLANEOUS PUBLICATIONS

Turpentine still buildings and equipment. Naval Stores Research Division, Bureau of Agricultural Chemistry and Engineering. 44 p., illus. (M. P. 387M.) Price 15¢.

Forest resources of the Douglas-fir region. H. J. Andrews and R. W. Cowlin, Forest Service. 169 p., illus. (M. P. 389M.) Price 50¢.

Family housing and facilities; five regions. Urban, village, and farm series. Hazel Kyrk, Day Monroe, Maryland Y. Pennell, and Edith Dyer Rainboth, Bureau of Home Economics, in cooperation with Works Progress Administration. 223 p., illus. (M. P. 399M.) Price 25¢.

Effective extension circular letters: How to prepare and use them. H. W. Gilbertson, Extension Service. 43 p., illus. (M. P. 403M.) Price 10¢.

Range conservation practices for the Great Plains. B. W. Allred, Soil Conservation Service. 21 p., illus. (M. P. 410M.) Price 10¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Bureau of Animal Industry. Service and regulatory announcements. December 1940. Pp. 115-122. (S. R. A.-B. A. I. 404); Index, January-December 1940. Pp. 123-125. Price 25¢ a year, 5¢ a copy.¹

List of intercepted plant pests, 1939. Service and regulatory announcements. Bureau of Entomology and Plant Quarantine. 53 p.²

STATISTICAL BULLETINS

Forest products statistics of the Central and Prairie States. R. V. Reynolds and A. H. Pierson, Forest Service. 94 p. (S. B. 73S.) Price 15¢.

AGRICULTURAL ADJUSTMENT ADMINISTRATION

NCR Leaflet-501. Why you need a farm program in 1941. Folder. 1940.³

FARM CREDIT ADMINISTRATION

F. C. A. Cir. 25. Selling credit to consumers. Farm Credit Administration. 48 p. 1940.⁴

F. C. A. Cir. C 117. South Brazil: New land of cotton. Omer W. Herrman. 47 p. 1940.⁴

F. C. A. Cir. C 118. Operation of small-lot country fruit and vegetable auctions. Edwin W. Cake. 40 p. 1940.⁴

F. C. A. Cir. C 119. Operating methods of Challenge Cream and Butter Association. Paul E. Quintus. 46 p. 1940.⁴

F. C. A. Cir. C 120. Cooperative purchasing of farm supplies in Georgia. Gerald M. Francis. 38 p. 1940.⁴

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² These may be obtained from the issuing bureau.

³ These may be obtained free upon application to the Agricultural Adjustment Administration.

⁴ These may be obtained free upon application to Farm Credit Administration.

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Farmers' Bulletins	Leaflets	Other publications

F. C. A. Cir. C 121. The citrus industry and the California Fruit Growers Exchange system. Nephtune Fogelberg and A. W. McKay. 109 p. 1940.⁴

News for farmer cooperatives. Vol. 7, No. 10. January 1941; Vol. 7, No. 11. February 1941. Price 10¢ a copy; \$1.00 a year, domestic.¹

Issued free to cooperative associations, public institutions, and persons primarily concerned with furthering the cooperative movement among farmers.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 25, No. 2, February 1941. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.¹

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Agriculture in the Americas. Vol. 1, No. 1, February 1941. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.20 a year, foreign.¹

This new monthly publication of 16 pages is designed to present in popular style agricultural developments in the Western Hemisphere particularly as they affect the economic relations of the American Republics. The subject matter covers various phases of inter-American trade, as well as agricultural items of importance in the program for Hemisphere defense.

Crops and markets. Vol. 17, No. 12, December 1940; Vol. 18, No. 1, January 1941. Price 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.¹

Statistics concerning crop and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Experiment station record. Vol. 82, Index number. Vol. 84, No. 1, January; No. 2, February 1941. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign.¹ Single numbers for sale only. Price 15¢.

A technical review of scientific literature pertaining to agriculture.

Extension service review. Vol. 12, No. 2, February 1941. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign.¹

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Fire control notes. Vol. 5, No. 1, January 1941. Price 15¢ a copy; 50¢ a year, domestic.¹

A quarterly periodical devoted to the technique of fire control. The articles deal with fire research or fire control management; theory, relationships, prevention, equipment, detention, communication, transportation, cooperation, planning, organization, personnel management, training, fire-fighting methods of reporting, and statistical systems.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

⁴ These may be obtained free upon application to Farm Credit Administration.

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Journal of agricultural research. Price, \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue 15¢, domestic; 20¢, foreign. Separates 5¢, domestic; 8¢, foreign.¹ Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. The Office of Information has none for general distribution.

- E-83. (In Vol. 60, No. 11.) Hemicelluloses of wheat straw. H. D. Weihe and Max Phillips.
G-1156. (In Vol. 60, No. 8.) Morphology of the vegetative organs of sugarcane. Ernst Artswager.
G-1165. (In Vol. 60, No. 11.) Root responses of noninfectious hairy root apple seedlings under different methods of propagation. E. A. Siegler and J. J. Bowman.
G-1167. (In Vol. 60, No. 11.) Hybrid vigor in sugar beets. Dewey Stewart, C. A. Lavis, and G. H. Coons.
G-1168. (In Vol. 60, No. 12.) Studies on the natural inoculation of seed barley with covered smut (*Ustilago hordei*). V. F. Tapke.
G-1171. (In Vol. 61, No. 1.) Inversion of sucrose in the different parts of the sugarcane stalk. J. I. Lauritzen and R. T. Balch.
G-1172. (In Vol. 61, No. 1.) Salt balance in irrigated areas. Carl S. Scofield.
G-1173. (In Vol. 61, No. 1.) Boron absorption by sunflower seedlings. Carl S. Scofield, L. V. Wilcox, and George Y. Blair.
G-1177. (In Vol. 61, No. 2.) Effect of blue stain on specific gravity and strength of southern pine. A. Dale Chapman and Theodore C. Scheffer.
Ill.-73. (In Vol. 61, No. 2.) The impairment in nutritive value of corn grain damaged in specific fungi. H. H. Mitchell and Jessie R. Beadles.
K-307. (In Vol. 61, No. 1.) Two new spore-forming bacteria causing milky diseases of Japanese beetle larvae. S. R. Dutky.
Mass.-51. (In Vol. 61, No. 1.) Color markings in Rhode Island Red chicks as related to sex and adult color. F. A. Hays.
Minn.-116. (In Vol. 60, No. 10.) Genetic and cytologic studies of a brachytic mutation in barley. S. P. Swenson.
Wis.-116. (In Vol. 61, No. 1.) The significance of the "ceased" reactor to Bang's disease. B. A. Beach, M. R. Irwin, and L. C. Ferguson.
Wis.-117. (In Vol. 61, No. 2.) Pea seed treatment with chemical dusts. J. C. Walker, E. J. Delwiche, and Paul G. Smith.
Wis.-119. (In Vol. 61, No. 2.) The effect of some mineral nutrients on the development of clubroot of crucifers. Dean E. Pryor.

Vol. 61, No. 5, September 1; No. 6, September 15; No. 7, October 1; No. 8, October 15; No. 9, November 1; No. 10, November 15, 1940.

Land policy review. Vol. IV, No. 1, January; No. 2, February 1941. Price, 5¢ a copy; 25¢ a year, domestic.¹

Gives information on current developments in land policy and land programs to workers of the Department of Agriculture and cooperating groups.

Rural electrification news. Vol. 6, No. 4, December; No. 5-6, January-February 1941. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.¹

Issued monthly by the Rural Electrification Administration. A summary of rural electrification activities and a clearing house for interchange of information pertaining to utilization of electric power in farm tasks.

Soil conservation. Vol. 6, No. 8-9, February-March 1941. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.¹

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

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The making and feeding of silage. T. E. Woodward, Bureau of Dairy Industry; W. H. Black, D. A. Spencer, and J. O. Williams, Bureau of Animal Industry. 30 p., illus. (F. B. 578F., rev.) Price 10¢.

Strawberry culture: Eastern United States. George M. Darrow, Bureau of Plant Industry. 43 p., illus. (F. B. 1028F., rev.) Price 10¢.

Judging beef cattle. W. H. Black, Bureau of Animal Industry. 14 p., illus. (F. B. 1068F., rev.) Price 5¢.

The home fruit garden on the northern Great Plains. W. P. Baird, Bureau of Plant Industry. 54 p., illus. (F. B. 1522F., rev.) Price 10¢.

Protection of log cabins, rustic work, and unseasoned wood from injurious insects. R. A. St. George, Bureau of Entomology and Plant Quarantine. 22 p., illus. (F. B. 1582F., rev.) Price 5¢.

The Japanese beetle and its control. C. H. Hadley, Bureau of Entomology and Plant Quarantine. 22 p., illus. (F. B. 1856F.) Price 5¢.

The turnip aphid in the Southern States and methods for its control. Norman Allen and P. K. Harrison, Bureau of Entomology and Plant Quarantine. 10 p., illus. (F. B. 1863F.) Price 5¢.

Brucellosis of cattle. (Bang's disease, infectious abortion). A. Eichhorn and A. B. Crawford, Bureau of Animal Industry. 22 p., illus. (F. B. 1871F.) Price 5¢.

Slip covers for furniture. Bess Viemont Morrison, Bureau of Home Economics. 26 p., illus. (F. B. 1873F.) Price 10¢.

LEAFLETS

Intensive projects under the Cooperative Farm Forestry Act. Soil Conservation Service. 6 p., illus. (Leaf. 208L.) Price 5¢.

TECHNICAL BULLETINS

Three species of the genus *Lygus* and their relation to alfalfa seed production in southern Arizona and California. Loyd L. Stitt, Bureau of Entomology and Plant Quarantine. 19 p., illus. (T. B. 741T.) Price 5¢.

Methods of distinguishing between the shipmast and common forms of black locust on Long Island, N. Y. Henry Hopp, Soil Conservation Service. 24 p., illus. (T. B. 742T.) Price 10¢.

Grain prices and the futures market: A 15-year survey 1923-1938. G. Wright Hoffman and J. W. T. Duvel, Commodity Exchange Administration. 78 p., illus. (T. B. 747T.) Price 10¢.

Rapid determination of soybean-oil content and of iodine number of soybean oil. Lawrence Zeleny and M. H. Neustadt, Agricultural Marketing Service. 23 p., illus. (T. B. 748T.) Price 5¢.

Supply responses in milk production in Dodge and Barron Counties, Wis. Raymond P. Christensen and Ronald L. Mitchell, Bureau of Agricultural Economics. 94 p., illus. (T. B. 750T.) Price 15¢.

Trends in dairying by major type-of-farming regions. W. F. Finner and Ronald L. Mighell, Bureau of Agricultural Economics. 27 p., illus. (T. B. 751T.) Price 25¢.

Seasonal changes in Florida oranges. Paul L. Harding, J. R. Winston, and D. F. Fisher, Bureau of Plant Industry. 89 p., illus. (T. B. 753T.) Price 30¢. Restricted.

Effect of crossing inbred lines of guinea pigs. Orson N. Eaton. 19 p., illus. (T. B. 765T.) Price 5¢.

Inheritance in rice of reaction to *Helminthosporium oryzae* and *Cercospora oryzae*. C. Roy Adair, Bureau of Plant Industry. 19 p., illus. (T. B. 772T.) Price 5¢.

CIRCULARS

The relation of firmness to ripeness of eastern-grown apples. M. H. Haller, J. M. Lutz, and E. D. Mallison, Bureau of Plant Industry. 21 p., illus. (Cir. 579C.) Price 5¢.

Eggs and egg products. 91 p., illus. (Cir. 583C.) Price 15¢.

Influence of altitude and aspect on daily variations in factors of forest-fire danger. G. Lloyd Hayes, Forest Service. 39 p., illus. (Cir. 591C.) Price 10¢.

Apparatus and technique for the study of the egg parasites of the beet leaf-hopper. Chas. F. Henderson, Bureau of Entomology and Plant Quarantine. 19 p., illus. (Cir. 593C.) Price 5¢.

The use of traps against the Japanese beetle. Walter E. Fleming, Emory D. Burgess, and Warren W. Maines, Bureau of Entomology and Plant Quarantine. 12 p., illus. (Cir. 594C.) Price 5¢.

Experiments in the use of vapor-spray equipment. O. K. Hedden and R. M. Merrill, Bureau of Agricultural Chemistry and Engineering. 20 p., illus. (Cir. 598C.) Price 5¢.

MISCELLANEOUS PUBLICATIONS

The vertical drier for seed cotton. Charles A. Bennett, Bureau of Agricultural Chemistry and Engineering, and Francis L. Gerdes, Agricultural Marketing Service. 32 p., illus. (M. P. 239M., rev.) Price 10¢.

Forest resources of south Georgia. M. M. Lehrbas and I. F. Eldredge, Forest Service. 50 p., illus. (M. P. 390M.) Price 20¢.

Sources and available supplies of commercial fertilizers. C. H. Kunsman, Bureau of Agricultural Chemistry and Engineering. 20 p., illus. (M. P. 400M.) Price 5¢.

Lumber distribution and consumption for 1938. R. V. Reynolds and A. H. Pierson, Forest Service. 59 p., illus. (M. P. 413M.) Price 15¢.

Are we well fed? Hazel K. Stiebeling, Bureau of Home Economics. 28 p., illus. (M. P. 430M.) Price 15¢. Restricted.

SERVICE AND REGULATORY ANNOUNCEMENTS

Bureau of Animal Industry. Order amending B. A. I. Order 211 (revised) and conferring authority upon the Chief of the Bureau of Animal Industry under the Meat-Inspection Act. 1 p.¹

Bureau of Animal Industry. Service and regulatory announcements. January 1941. Pp. 1-8. (S. R. A.-B. A. I. 405). Price 5¢, a copy, 25¢ a year.²

Quarantine and other official announcements. Service and regulatory announcements. Bureau of Entomology and Plant Quarantine. October-December 1940. Pp. 85-103. (S. R. A.-B. E. P. Q. No. 145).¹

OTHER PUBLICATIONS

Agricultural adjustment 1939-40. A report of the activities carried on by the Agricultural Adjustment Administration. (G-104.) 154 p. Price 20¢.² Restricted.

Eating the surplus through the food stamp plan. Milo Perkins, Surplus Marketing Administration. 8 p.¹

Egg dishes at low cost. Bureau of Home Economics and Surplus Marketing Administration. 8 p. Folder.¹

Experiments in controlling corn ear pests in Puerto Rico. Wallace K. Bailey, Puerto Rico Experiment Station. 23 p., illus. (Cir. 23 PR.) Price 5¢. For sale only.

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Guarding a heritage. Soil Conservation Service. 11 p. Price 5¢.

Plowing for terrace maintenance in the South. John M. Downing and Philip M. Price, Soil Conservation Service. [11 p.], illus. Price 5¢.

Report of the Chief of the Bureau of Agricultural Economics, 1940. Howard R. Tolley. 100 p. Price 15¢.

Soils and security. H. H. Bennett, Soil Conservation Service. 25 p., illus. Price 5¢.

Terrace construction with small equipment in the South. W. A. Weld and P. M. Price, Soil Conservation Service. 11 p., illus. Price 5¢.

AGRICULTURAL ADJUSTMENT ADMINISTRATION

G-102. The AAA—What it is. 14 p.¹

G-104. Agricultural adjustment 1939-40. 154 p. Price 20¢.²

G-105. Agriculture and the Americas. Folder.¹

G-107. Wheat marketing quotas. Folder.¹

SRM-505. The farmer starts back. 10 p.¹

FARM CREDIT ADMINISTRATION

Expenses, income and dividends of Oklahoma and Texas cooperative cotton gins. John S. Burgess, Jr., and Otis T. Weaver, Farm Credit Administration. 62 p., illus. (F. C. A. Bul. 41.) Price 10¢.

PERIODICALS

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Agricultural situation. Vol. 25, No. 3, March 1941. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.²

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Agriculture in the Americas. Vol. 1, No. 2, March 1941. Illus. Price 10¢ a copy; 75¢ a year, domestic, \$1.20 a year, foreign.²

This new monthly publication of 16 pages is designed to present in popular style agricultural developments in the Western Hemisphere particularly as they affect the economic relations of the American Republics. The subject matter covers various phases of inter-American trade, as well as agricultural items of importance in the program for Hemisphere defense.

Crops and Markets. Vol. 18, No. 2, February 1941. Price 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.²

Statistics concerning crop and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Experiment station record. Vol. 84, No. 3, March 1941. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign.² Single numbers for sale only. Price 15¢.

A technical review of scientific literature pertaining to agriculture.

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Extension service review. Vol. 12, No. 3, March 1941. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign.²

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Foreign agriculture. Vol. 5, No. 2, February; No. 3, March 1941. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.60 a year, foreign.²

A 48-page monthly periodical containing articles on foreign government policies relating to agriculture, foreign agricultural production and international trade in agricultural products. The articles in general are the result of special research or field investigations conducted by the office staff or commodity specialists of the Office of Foreign Agricultural Relations. Designed primarily for those who are interested in following changes in foreign policies as they affect agriculture.

Journal of agricultural research. Price \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.² *Not distributed free to individuals.*

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

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G-1158. (In Vol. 60, No. 5.) Cytology of parthenogenesis in *Poa pratensis*. Fred W. Tinney.

G-1170. (In Vol. 61, No. 2.) Photothermal induction of flowering in sugar beets. F. V. Owen, Eubanks Carsner, and Myron Stout.

Calif.-114. (In Vol. 61, No. 3.) Two additional factors for resistance to mildew in barley. Ernest H. Stanford and Fred N. Briggs.

Ga.-16. (In Vol. 61, No. 3.) Effect of roasting and scalding pimiento fruits in preparation for canning on the subsequent germination of the seeds. H. L. Cochran.

Kans.-93. (In Vol. 61, No. 2.) Differential injury within varieties, inbred lines, and hybrids of field corn caused by the corn earworm, *Heliothis armigera* (Hbn.). Reginald H. Painter and Arthur M. Brunson.

Mich.-36. (In Vol. 61, No. 3.) A solution of normal equations giving the standard errors of the constants. William Dowell Baten.

N. Y. (Cornell)-46. (In Vol. 61, No. 3.) The influence of intensity of egg production upon infertility in the domestic fowl. W. F. Lamoreux.

S. Dak.-4. (In Vol. 61, No. 3.) Effect of corn, wheat, and barley in the diet on the physical and chemical composition of fryers and roasters. W. E. Poley, A. L. Moxon, W. O. Wilson, and R. L. Dolecek.

S. Dak.-5. (In Vol. 61, No. 3.) Effect of corn, wheat, and barley in the diet on the flavor of fried and roasted chickens. W. E. Poley, Amanda Rosenquist, and A. L. Moxon.

Wis.-118. (In Vol. 61, No. 3.) Soil-fertility standards for growing northern hardwoods in forest nurseries. S. A. Wilde and W. E. Patzer.

— Vol. 60, January 1–June 15, 1940, Index; Vol. 61, No. 11, December 1; No. 12, December 15, 1940.

Land policy review. Vol. 4, No. 3, March 1941. Price, 5¢ a copy, 25¢ a year, domestic.²

Gives information on current developments in land policy and land programs to workers of the Department of Agriculture and cooperating groups.

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- Raspberry culture.** George M. Darrow and George F. Waldo, Bureau of Plant Industry. 41 p., illus. (F. B. 887F., rev.) Price 5¢.
- Forestry and farm income.** Wilbur R. Mattoon, Forest Service. 33 p., illus. (F. B. 1117F., rev.) Price 5¢.
- Ginseng culture.** W. W. Stockberger, Bureau of Plant Industry. 18 p., illus. (F. B. 1184F., rev.) Price 5¢.
- Sheep-killing dogs.** V. L. Simmons, Bureau of Animal Industry. 40 p., illus. (F. B. 1268F., rev.) Price 10¢.
- Shortleaf pine.** Wilbur R. Mattoon, Forest Service. 44 p., illus. (F. B. 1671F., rev.) Price 10¢.
- Diseases of rice.** E. C. Tullis, Bureau of Plant Industry. 18 p., illus. (F. B. 1854F.) Price 5¢.
- Culture, diseases, and pests of the box tree.** Freeman Weiss, Bureau of Plant Industry, and L. G. Baumhofer, Bureau of Entomology and Plant Quarantine. 18 p., illus. (F. B. 1855F.) Price 5¢.
- Insect pests of the peach in the Eastern States.** Oliver I. Snapp, Bureau of Entomology and Plant Quarantine. 34 p., illus. (F. B. 1861F.) Price 10¢.
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- Toward soil security on the northern Great Plains.** Glenn K. Rule, Soil Conservation Service. 79 p., illus. (F. B. 1864F.) Price 15¢.
- Wireworms and their control on irrigated lands.** M. C. Lane, Bureau of Entomology and Plant Quarantine. 22 p., illus. (F. B. 1866F.) Price 10¢.
- Sugar-beet culture under irrigation in the northern Great Plains.** S. B. Nuckols, Bureau of Plant Industry. 53 p., illus. (F. B. 1867F.) Price 10¢.
- Wildlife management through soil conservation on farms in the Northeast.** Frank C. Edminster, Soil Conservation Service. 53 p., illus. (F. B. 1868F.) Price 10¢.
- Foundations for farm buildings.** Thos. A. H. Miller and E. G. Molander, Bureau of Agricultural Chemistry and Engineering. 45 p., illus. (F. B. 1869F.) Price 10¢.

LEAFLETS

- Trichinosis.** A disease caused by eating raw pork. Benjamin Schwartz, Bureau of Animal Industry. 8 p., illus. (Leaf. 34L., rev.) Price 5¢.

TECHNICAL BULLETINS

- Comparative studies of varietal suitability for freezing preservation of peas, green or snap beans, lima beans, and sweet corn grown under eastern conditions.** Joseph S. Caldwell, J. M. Lutz, H. H. Moon, and C. W. Culpepper, Bureau of Plant Industry. 72 p. (T. B. 731T.) Price 10¢.
- Experiments with *Trichogramma minutum* Riley as a control of the sugarcane borer in Louisiana.** H. A. Jaynes and E. K. Bynum, Bureau of Entomology and Plant Quarantine. 43 p., illus. (T. B. 743T.) Price 10¢.
- Life history of the sugar-beet wireworm in southern California.** M. W. Stone, Bureau of Entomology and Plant Quarantine. 88 p., illus. (T. B. 744T.) Price 15¢.
- Parasites of the birch leaf-mining sawfly (*Phyllotoma nemorata*).** Philip B. Dowden. 56 p., illus. (T. B. 757T.) Price 10¢.

Selenium occurrence in certain soils in the United States, with a discussion of related topics: Fifth report. K. T. Williams, H. W. Lakin, and H. G. Byers, Bureau of Plant Industry. 70 p., illus. (T. B. 758T.) Price 15¢.

Structure and development of the alimentary canal of the southern armyworm larva. Paul A. Woke, Bureau of Entomology and Plant Quarantine. 29 p., illus. (T. B. 762T.) Price 5¢.

Restoring conifers to aspen lands in the Lake States. Hardy L. Shirley, Forest Service. 36 p., illus. (T. B. 763T.) Price 10¢.

✓ **Trends in production and foreign trade for meats and livestock in the United States.** Preston Richards, Bureau of Agricultural Economics. 64 p., illus. (T. B. 764T.) Price 10¢.

Quality of frozen poultry as affected by storage and other conditions. Harold M. Harshaw, Bureau of Animal Industry; Walter S. Hale and T. L. Swenson, Bureau of Agricultural Chemistry and Engineering; Lucy M. Alexander, Bureau of Home Economics; and R. R. Slocum, Agricultural Marketing Service; in cooperation with the Institute of American Poultry Industries. 20 p. (T. B. 768T.) Price 5¢.

A physiological study of carotenoid pigments and other constituents in the juice of Florida oranges. Erston V. Miller, J. R. Winston, and D. F. Fisher, Bureau of Plant Industry. 31 p., illus. (T. B. 780T.) Price 10¢.

CIRCULARS

Sugarcane for sirup production. E. W. Brandes, S. F. Sherwood, and B. A. Belcher, Bureau of Plant Industry. 48 p., illus. (Cir. 284C., rev.) Price 10¢.

Making and using peanut butter. W. R. Beattie, Bureau of Plant Industry. 16 p., illus. (Cir. 384C., rev.) Price 5¢.

Dry land crops at the Dalhart (Texas) field station. O. R. Mathews and B. F. Barnes, Bureau of Plant Industry. 68 p., illus. (Cir. 564C.) Price 15¢.

Slash disposal and forest management after clear cutting in the Douglas-fir region. Thornton T. Munger and Donald N. Matthews, Forest Service. 56 p., illus. (Cir. 586C.) Price 10¢.

Temperatures of wheat in experimental farm-type storages. C. F. Kelly, Bureau of Agricultural Chemistry and Engineering. 61 p., illus. (Cir. 587C.) Price 10¢.

A combination suspended-load sampler and velocity meter for small streams. Alvin G. Anderson, Soil Conservation Service. 27 p., illus. (Cir. 599C.) Price 5¢.

Estimating the quantity of settled corn silage in a silo. J. B. Shepherd and T. E. Woodward, Bureau of Dairy Industry. 12 p., illus. (Cir. 603C.) Price 5¢.

MISCELLANEOUS PUBLICATIONS

The mineral composition of crops with particular reference to the soils in which they were grown: A review and compilation. Kenneth C. Beeson, Bureau of Plant Industry. 164 p., illus. (M. P. 369M.) Price 20¢.

Forestry for 4-H Clubs. Wilbur R. Mattoon, Forest Service, and Erwin H. Shinn, Extension Service. 50 p., illus. (M. P. 395M.) Price 10¢.

Family expenditures for medical care. Five regions. Urban, village, and farm series. Helen Hollingsworth, Day Monroe, Margaret C. Klem, and Karl L. Benson, Bureau of Home Economics, in cooperation with Work Projects Administration. 241 p., illus. (M. P. 402M.) Price 30¢.

Family food consumption and dietary levels: Five regions. Farm series. Hazel K. Stiebeling, Day Monroe, Callie M. Coons, Esther F. Phipard, and Faith Clark, Bureau of Home Economics, in cooperation with Work Projects Administration. 393 p., illus. (M. P. 405M.) Price 35¢.

Judging dairy cattle on the basis of type and records of production. W. N. Swett and R. R. Graves, Bureau of Dairy Industry. 29 p., illus. (M. P. 409M.) Price 10¢.

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Family expenditures for automobile and other transportation. Five regions. Urban, village, and farm series. Day Monroe, Dorothy S. Brady, June F. Constantine, and Karl L. Benson. Bureau of Home Economics, in co-operation with Work Projects Administration. 272 p., illus. (M. P. 415M.) Price 30¢.

Bark beetles of the genus *Hylastes erichson* in North America. M. W. Blackman, Bureau of Entomology and Plant Quarantine. 27 p. (M. P. 417M.) Price 10¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Bureau of Animal Industry. Service and regulatory announcements. February 1941. Pp. 9-16. Price 5¢ a copy, 25¢ a year.¹

Fruit and vegetable quarantine of Puerto Rico. Bureau of Entomology and Plant Quarantine. Effective January 22, 1941. (B. E. P. Q.-Q 58). 5 p.²

AGRICULTURAL ADJUSTMENT ADMINISTRATION

G-97. 'Round the world with cotton. I. W. Duggan, Agricultural Adjustment Administration, and Paul W. Chapman, University of Georgia. 148 p., illus.²

G-100, rev. More abundant wildlife through the AAA program. Folder.²

G-103. This is what AAA is about. Folder.²

FARM CREDIT ADMINISTRATION

Farmer co-ops in Washington. M. C. Puhr, Farm Credit Administration. 24 p., illus.²

Farmer co-ops in Wisconsin. Florence C. Bell, Farm Credit Administration. 56 p., illus.²

The Federal Credit Union Act as amended to March 1, 1941. Farm Credit Administration. (Cir. 22.) 20 p.²

News for farmer cooperatives. Vol. 7, No. 12, March; Vol. 8, No. 11, April 1941. Price 10¢ a copy; \$1.00 a year, domestic.¹

Issued free to cooperative associations, public institutions, and persons primarily concerned with furthering the cooperative movement among farmers.

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Agricultural situation. Vol. 25, No. 4, April 1941. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.¹

Agriculture in the Americas. Vol. 1, No. 3, April 1941. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.20 a year, foreign.¹

Crops and markets. Vo. 16, 1939, Index; Vol. 18, No. 3, March 1941. Price 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.¹

Experiment station record. Vol. 84, No. 4, April 1941. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign.¹ Single numbers for sale only. Price 15¢.

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Fire control notes. Vol. 5, No. 2, April 1941. Price 15¢ a copy; 50¢ a year, domestic.¹

Journal of agricultural research. Price, \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue 15¢, domestic; 20¢, foreign. Separates 5¢, domestic; 8¢, foreign.¹ Not distributed free to individuals.

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A-198. (In Vol. 61, No. 5.) Feathering, growth, feed consumption, and rachitogenesis in chicks as influenced by the kind of grain in the diet. H. L. Wilcke and John C. Hammond.
A-199. (In Vol. 61, No. 4.) Factors influencing length of gestation and birth weight in cattle. Bradford Knapp, Jr., W. V. Lambert, and W. H. Black.
E-84. (In Vol. 61, No. 4.) Thermal decomposition of undercured alfalfa hay in its relation to spontaneous ignition. E. J. Hoffman.
E-86. (In Vol. 61, No. 4.) The growth of halophilic bacteria in concentrations of sodium chloride above three molar. L. S. Stuart.
E-87. (In Vol. 61, No. 4.) Effect of protein concentration and cysteine on growth of halophilic bacteria. L. S. Stuart.
G-1164. (In Vol. 60, No. 10.) Seasonal development, insect vectors, and host range of bacterial wilt of sweet corn. Charlotte Elliott.
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K-308. (In Vol. 61, No. 5.) Effects of some ingested insecticides on the midgut wall of the southern armyworm larva. P. A. Woke.
T-11. (In Vol. 61, No. 5.) The effect of cooking and storage on the ascorbic acid content of potatoes. Lydia A. Rolf.
Calif.-115. (In Vol. 61, No. 4.) The inheritance of an albumen quality characteristic of chicken eggs. F. W. Lorenz and Lewis W. Taylor.
Ill.-74. (In Vol. 61, No. 3.) The cystine content of eleven varieties of soybeans. T. S. Hamilton and F. I. Nakamura.
Pa.-65. (In Vol. 60, No. 12.) Foliar diagnosis of differentially fertilized greenhouse tomatoes with and without manure. Walter Thomas and Warren B. Mack.
Tex.-23. (In Vol. 61, No. 4.) The toxicity of *Sartwellia flaveriae* to goats. Frank P. Mathews.
Wash.-35. (In Vol. 61, No. 4.) The chemical composition and apparent digestibility of nutrients in crested wheatgrass harvested in three stages of maturity. Jerry Sotola.

Vol. 62, No. 1, January 1; No. 2, January 15; No. 3, February 1, 1941.

Land policy review. Vol. IV, No. 4, April 1941. Price, 5¢ a copy; 25¢ a year, domestic.¹

Rural electrification news. Vol. 6, No. 4, December; No. 5-6, January-February 1941. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.¹

Soil conservation. Vol. 6, No. 10, April 1941. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.¹

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- Breeds of draft horses.** Sanford R. Speelman, Bureau of Animal Industry. 16 p., illus. (F. B. 619F., rev.) Price 5¢.
- Gladiolus diseases and insects.** Lucia McCulloch, Bureau of Plant Industry, and C. A. Weigel, Bureau of Entomology and Plant Quarantine. 18 p., illus. (F. B. 1860F.) Price 5¢.
- Irrigation problems in citrus orchards.** C. A. Taylor, Soil Conservation Service. 34 p., illus. (F. B. 1876F.) Price 10¢.

LEAFLETS

- Protect hardwood stands from grazing.** W. K. Williams, Extension Service, in cooperation with Forest Service. 8 p., illus. (Leaf. 86L., rev.) Price 5¢.
- Protecting field borders.** Verne E. Davison, Soil Conservation Service. 8 p., illus. (Leaf. 188L., rev.) Price 5¢.

TECHNICAL BULLETINS

- Hardpan and microrelief in certain soil complexes of California.** C. C. Niki-foroff, Bureau of Plant Industry. 46 p., illus. (T. B. 745T.) Price 15¢.
- Quality of irrigation waters of the Hollister area of California, with special reference to boron content and its effect on apricots and prunes.** Frank M. Eaton, Bureau of Plant Industry, Roy D. McCallum, University of California, and Miles S. Mayhugh, Bureau of Plant Industry. 60 p., illus. (T. B. 746T.) Price 30¢.
- Chemical composition of sugarcane juice as affected by fertilizers.** Nelson McKaig, Jr., and Lewis A. Hurst, Bureau of Plant Industry. 64 p., illus. (T. B. 754T.) Price 10¢.
- Physiological investigations on fall and winter pears in the Pacific Northwest.** Fisk Gerhardt and Boyce D. Ezell, Bureau of Plant Industry. 67 p., illus. (T. B. 759T.) Price 15¢.
- Natural regeneration in the western white pine type.** Irvine T. Haig, Kenneth P. Davis, and Robert H. Weidman, Forest Service. 99 p., illus. (T. B. 767T.) Price 20¢.
- Peat resources in Alaska.** A. P. Dachnowski-Stokes, Bureau of Plant Industry. 84 p., illus. (T. B. 769T.) Price 15¢.
- Investigations on the storage of nuts.** R. C. Wright, Bureau of Plant Industry. 35 p., illus. (T. B. 770T.) Price 10¢.
- Calorimetric measurements of the heat of respiration of fruits and vegetables.** W. P. Green, W. V. Hukill, and D. H. Rose, Bureau of Plant Industry. 22 p., illus. (T. B. 771T.) Price 5¢.
- Kiln design and development of schedules for extracting seed from cones.** Raymond C. Rietz, Forest Service. 70 p., illus. (T. B. 773T.) Price 10¢.
- Life histories and habits of some grasshoppers of economic importance on the Great Plains.** Robert L. Shotwell, Bureau of Entomology and Plant Quarantine. 48 p., illus. (T. B. 774T.) Price 20¢.

CIRCULARS

- Mortality of the apple maggot in fruit held in cold storage.** P. J. Chapman, Bureau of Entomology and Plant Quarantine, and A. D. Hess, New York State Agricultural Experiment Station. 10 p., illus. (Cir. 600C.) Price 5¢.
- Field infestation by insects that injure rice in storage.** W. A. Douglas, Bureau of Entomology and Plant Quarantine. 8 p., illus. (Cir. 602C.) Price 5¢.
- Indoor composting for mushroom culture.** Edmund B. Lambert, Bureau of Plant Industry. 15 p., illus. (Cir. 609C.) Price 5¢.

MISCELLANEOUS PUBLICATIONS

- List of the agricultural periodicals of the United States and Canada published during the century July 1810 to July 1910.** Compiled by Stephen Conrad Stuntz, edited by Emma B. Hawks. Library. 190 p. (M. P. 398M.) For sale only. Price 20¢.
- New forest frontiers.** Forest Service. 76 p., illus. (M. P. 414M.) Price 30¢.
- Questions and answers on the cotton-mattress program.** 4 p. (M. P. 427M.)

SERVICE AND REGULATORY ANNOUNCEMENTS

- Regulations for warehousemen storing wool under the United States Warehouse Act.** Agricultural Marketing Service. Service and regulatory announcements No. 160. September 1940. (S. R. A.-A. M. S. 160). 19 p.¹
- Bureau of Animal Industry. Service and regulatory announcements.** March 1941. Pp. 17-31. (S. R. A.-B. A. I. 407); April 1941. Pp. 33-42. (S. R. A.-B. A. I. 408). Price 5¢ each, 25¢ a year.²
- Japanese beetle quarantine.** Part 301. Domestic quarantine notices. Chapter III. Bureau of Entomology and Plant Quarantine. 14 p. Effective 1941. (B. E. P. Q.-Q. 48).¹
- Notices of judgment under the Insecticide Act.** Agricultural Marketing Service. Pp. 497-506. (N. J., I. F. 1763-1777).¹

SOIL SURVEYS

- Arizona, Yuma Desert area.** (No. 1, series 1938). 35 p., illus. Price 40¢.
- California, Visalia area.** (No. 16, series 1935). 96 p., illus. Price 55¢.
- Georgia, Hall County.** (No. 2, series 1937). 51 p., illus. Price 35¢.
- Iowa, Jackson County.** (No. 6, series 1936). 51 p., illus. Price 45¢.
- Nebraska, Cass County.** (No. 5, series 1936). 55 p., illus. Price 45¢.
- Oklahoma, Washita County.** (No. 17, series 1935). 44 p., illus. Price 45¢.
- Virginia, Isle of Wight County.** (No. 1, series 1937). 44 p., illus. Price 35¢.

STATISTICAL BULLETINS

- Corn futures.** Volume of trading, open contracts, and prices from January 2, 1936, to December 30, 1939. Commodity Exchange Administration. 151 p. (S. B. 74S.) Price 15¢.
- Stumpage and log prices for the calendar year 1939.** Henry B. Steer, Forest Service. 67 p. (S. B. 75S.) Price 10¢.

PICTURE SHEETS

- Harlequin bug.** Bureau of Entomology and Plant Quarantine. 1 p. (Picture sheet No. 5). Price 5¢.
- Tomato fruitworm.** Bureau of Entomology and Plant Quarantine. 1 p. (Picture sheet No. 13). Price 5¢.

REPRINTS FROM 1940 YEARBOOK

1747. Reciprocal trade agreements—A new method of tariff making. Pp. 585-595. Price 5¢.
1748. Methods of increasing agricultural exports. Pp. 596-605. Price 5¢.
1751. Marketing-agreement programs as a means of agricultural adjustment. Pp. 638-649. Price 5¢.
1753. Barriers to internal trade in farm products. Pp. 656-666. Price 5¢.
1754. Standardization and inspection of farm products. Pp. 667-683. Price 5¢.
1775. Cooperative marketing by farmers. Pp. 684-705. Price 5¢.
1764. Patterns of living of farm families. Pp. 848-869. Price 10¢.
1765. Overcrowded farms. Pp. 870-886. Price 5¢.
1778. Schools of philosophy for farmers. Pp. 1111-1124. Price 5¢.

¹ These may be obtained free upon application to the issuing bureau.

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Farmers' Bulletins	Leaflets	Other publications

California farm handbook, 1941. Department of Agriculture and University of California. 114 p. Price 15¢.

Changing technology and employment in agriculture. John A. Hopkins, Bureau of Agricultural Economics. 189 p., illus. Price 25¢. For sale only.

Conservation farming for the hard lands of the southern Great Plains. Tom Dale, Soil Conservation Service. 27 p., illus. Price 15¢.

Conservation farming for the sandy lands of the southern Great Plains. Tom Dale, Soil Conservation Service. 25 p., illus. Price 10¢.

Conservation practices for the range lands of the southern Great Plains. J. S. McCorkle and Tom Dale, Soil Conservation Service. 32 p., illus. Price 15¢.

Danger ahead. Federal Crop Insurance Corporation. Folder.¹

Erosion and related land use conditions in the Conestoga area, Pennsylvania. Jay A. Bonsteel and Turner C. Bass, Soil Conservation Service. 52 p., illus. (E. S. No. 15). Price 40¢. For sale only.

Housing road map for farms and villages. Farm Credit Administration. Folder. Price 5¢.

New landmarks of soil conservation. Soil Conservation Service. 22 p., illus. Price 10¢.

Report of the Administrator of the Rural Electrification Administration 1940. Harry Slattery. 54 p. Price 10¢. For sale only.

Services offered by agencies of the Government concerned with . . . better housing on farms, in villages, in towns. Extension Service. 18 p., illus. Price 5¢.

State legislation for better land use. A special report by an Interbureau Committee. 122 p. Price 30¢ (paper).

AGRICULTURAL ADJUSTMENT ADMINISTRATION

Our national defense starts with defense of the home. Folder, illus.¹

RURAL ELECTRIFICATION ADMINISTRATION

The electric pig brooder. Rural Electrification Administration. Folder. Illus.¹

¹ These may be obtained free upon application to the issuing bureau.

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Agricultural situation. Vol. 25, No. 5, May 1941. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.²

Agriculture in the Americas. Vol. 1, No. 4, May 1941. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.20 a year, foreign.²

Crops and markets. Vol. 18, No. 4, April 1941. Price 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.²

Experiment station record. Vol. 84, No. 5, May 1941. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price 15¢.²

Extension service review. Vol. 12, No. 5, May 1941. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign.²

Foreign agriculture. Vol. 5, No. 4, April; No. 5, May 1941. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.60 a year, foreign.²

Journal of agricultural research. Price, \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.² Not distributed free to individuals.

Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. The Office of Information has none for general distribution.

E-85. (In Vol. 61, No. 7.) Nutrient value of the phosphorus in defluorinated phosphate, calcium metaphosphate, and other phosphatic materials as determined by growth of plants in pot experiments. K. D. Jacob and William H. Ross.

G-1174. (In Vol. 61, No. 6.) Effect of exchange sodium on the moisture equivalent and the wilting coefficient of soils. Frank M. Eaton and Charles R. Horton.

G-1182. (In Vol. 61, No. 9) Mosaic and streak diseases of rose. Philip Brierley and Floyd F. Smith.

G-1183. (In Vol. 61, No. 9.) Effect of day length and temperature on the flowering and growth of four species of grasses. H. M. Benedict.

Kans.-92. (In Vol. 61, No. 6.) The influence of the awns upon the rate of transpiration from the heads of wheat. Hugh G. Gauch and Edwin C. Miller.

Ohio-29. (In Vol. 61, No. 6.) A development analysis of kohlrabi and cabbage stems. A. Leon Havis.

Pa.-66. (In Vol. 61, No. 9.) Digestible nutrients of feeding stuffs for the domestic rabbit. LeRoy Voris, Lawson F. Marcy, Edward J. Thacker, and Walter W. Wainio.

P. R.-8. (In Vol. 61, No. 5.) Stimulation of growth in juvenile mangosteen plants. Claud L. Horn.

Wash.-36. (In Vol. 61, No. 6.) The apparent digestibility and nutritive value of beardless wheatgrass at three stages of maturity. William H. Burkitt.

Wis.-120. (In Vol. 61, No. 4.) Factors influencing the carbon metabolism of the crown-gall organisms. F. C. McIntire, W. H. Peterson, and A. J. Riker.

Wis.-121. (In Vol. 61, No. 8.) Estimates of producing ability in dairy cattle. G. E. Dickerson.

Vol. 62, No. 4, February 15; No. 5, March 1; No. 6, March 15, 1941.

Land policy review. Vol. 4, No. 5, May 1941. Price, 5¢ a copy, 25¢ a year, domestic.²

Soil conservation. Vol. 6, No. 11, May 1941. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.²

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FARMERS' BULLETIN

Udder diseases of dairy cows. Hubert Bunyea and W. T. Miller, Bureau of Animal Industry. 18 p., illus. (F. B. 1422F, rev.) Price 5¢

Control of sugar-beet nematode by crop rotation. Gerald Thorne, Bureau of Plant Industry. 19 p., illus. (F. B. 1514, rev.) Price 5¢.

The feeding of chickens. Harry W. Titus, Bureau of Animal Industry. 24 p., illus. (F. B. 1841F., rev.) Price 5¢.

House plants. Furman Lloyd Mulford, Bureau of Plant Industry. 30 p., illus. (F. B. 1872F.) Price 5¢.

Bacterial wilt of corn. Charlotte Elliott, Bureau of Plant Industry. 21 p., illus. (F. B. 1878F.) Price 5¢.

TECHNICAL BULLETINS

A comparative study of storage at 32° and 36° F. of apples grown in the Potomac River Valley. M. H. Haller and J. M. Lutz, Bureau of Plant Industry. 42 p., illus. (T. B. 776T.) Price 10¢.

The effect of certain heart rot fungi on the specific gravity and strength of Sitka spruce and Douglas-fir. Theodore C. Scheffer, Bureau of Plant Industry, T. R. C. Wilson and R. F. Luxford, Forest Service, and Carl Hartley, Bureau of Plant Industry. 24 p., illus. (T. B. 779T.) Price 5¢.

CIRCULARS

Avocado diseases in Florida. H. E. Stevens and R. B. Piper, Bureau of Plant Industry. 47 p., illus. (Cir. 582C.) Price 10¢.

Reducing power waste in operating cotton gins. Victor L. Stedronsky and Thomas L. Baggette, Bureau of Agricultural Chemistry and Engineering; and Arvid J. Johnson, Agricultural Marketing Service. 20 p., illus. (Cir. 601C.) Price 5¢.

The internal application of chemicals to kill elm trees and prevent bark-beetle attack. R. R. Whitten, Bureau of Entomology and Plant Quarantine. 12 p., illus. (Cir. 605C.) Price 5¢.

MISCELLANEOUS PUBLICATIONS

List of available publications of the United States Department of Agriculture, January 2, 1941. Fred L. Zimmerman and Phyllis R. Read, Office of Information. (M. P. 60M, rev.) 212 p.

Plants reported resistant or tolerant to root knot nematode infestation. Jocelyn Tyler, Bureau of Plant Industry. 91 p. (M. P. 406M.) Price 15¢.

Family expenditure for housing and household operation: Five regions. Consumer purchases study. Urban and village series. Hazel Kyrk, Day Monroe, Kathryn Cronister, and Margaret Perry, Bureau of Home Economics, in cooperation with the Work Projects Administration. 244 p. (M. P. 432M.) Price 25¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Regulations for warehousemen storing canned foods. Agricultural Marketing Service. Service and regulatory announcements No. 161. February 1941. (S. R. A.-A. M. S. 161.) 19 p.¹

¹ These may be obtained free upon application to the issuing bureau.

- Order amending regulations relating to meat inspection.** Bureau of Animal Industry. 10 p. (Amdt. 15 to B. A. I. Order 211, rev.)¹
- Mediterranean fruitfly and melonfly quarantine.** Chapter III—Bureau of Entomology and Plant Quarantine. Title 7—Agriculture. Part 301. Domestic quarantine notices. Revision of regulation 8. Effective May 12, 1941. (B. E. P. Q.-Q13). 2 p.¹

SOIL SURVEYS

- Alabama, Sumter County.** (No. 18, series 1935.) 85 p., illus. Price 60¢.
- Arizona, the Casa Grande area.** (No. 7, series 1936.) 94 p., illus. Price 50¢.
- Michigan, Ingham County.** (No. 36, series 1933.) 43 p., illus. Price 35¢.
- Minnesota, Pine County.** (No. 15, series 1935.) 44 p., illus. Price 50¢.
- North Carolina, Clay County.** (No. 19, series 1935.) 52 p., illus. Price 40¢.
- Oklahoma, Pontotoc County.** (No. 4 series 1936.) 49 p., illus. Price 35¢.

OTHER PUBLICATIONS

- Better harvests through conservation farming.** R. E. Uhland, Soil Conservation Service. 10 p., illus. Price 5¢.
- Erosion and related land use conditions on the Presque Isle demonstration project, Maine.** W. B. Oliver and C. W. Frutchey, Soil Conservation Service. 38 p., illus. (E. S. No. 19.) Price 20¢. For sale only.
- Erosion and related land use conditions on the Chehalem Mountain Demonstration Project, Oregon.** H. N. Magness and M. F. Sandoz, Soil Conservation Service. 37 p., illus. (E. S. 20.) Price 20¢. For sale only.
- Farm tenancy.** Bureau of Agricultural Economics in cooperation with Extension Service. 8 p. (County Planning Series No. 9.) Price 5¢.
- La conservación del suelo en Puerto Rico.** J. A. B. Nolla, University of Puerto Rico and G. L. Crawford, Soil Conservation Service. 30 p., illus. (Spanish edition.)
- Metodos modernos para conservación de sueló en Puerto Rico.** Servicio de Conservacion de Suelos. Departamento de Agricultura de los Estados Unidos de America. 36 p., illus. (The articles included in this publication appeared in English in the periodical, Soil Conservation.)
- National forest scaling handbook.** Forest Service. 119 p. Price 60¢ Fabrikoid. For sale only.
- North Carolina farm handbook, 1941.** State and Federal agricultural services. In cooperation with Extension Service of the North Carolina College of Agriculture and Engineering. 66 p. Price 15¢.
- Problems of farm tenancy.** Bureau of Agricultural Economics in cooperation with Extension Service. 8 p. (County Planning Series No. 10.) Price 5¢.
- REPRINTS FROM 1940 YEARBOOK
1730. American agriculture—The first 300 years. Pp. 171–276. Price 15¢.
1731. Agriculture in the World War period. Pp. 277–296. Price 5¢.
1732. The development of agricultural policy since the end of the World War. Pp. 297–326. Price 10c.
1733. Agricultural surpluses and nutritional deficits. Pp. 329–341. Price 5¢.
1734. The farmer's stake in greater industrial production. Pp. 342–365. Price 10¢.
1735. The city man's stake in the land. Pp. 366–382. Price 5¢.
1736. Agriculture today: An appraisal of the agricultural problem. Pp. 385–397. Price 5¢.
1737. Our major agricultural land use problems and suggested lines of action. Pp. 398–415. Price 5¢.
1738. The challenge of conservation. Pp. 416–428. Price 5¢.
1739. Our soil can be saved. Pp. 429–440. Price 5¢.

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1740. The new range outlook. Pp. 441-457. Price 5¢.
1741. Forest-resource conservation. Pp. 458-488. Price 10¢.
1742. Farm-management problems in an era of change. Pp. 489-508. Price 5¢.
1743. The influence of technical progress on agricultural production. Pp. 509-532. Price 10¢.
1744. The place of forests in the farm economy. Pp. 533-550. Price 5¢.
1745. Acreage allotments, marketing quotas, and commodity loans as means of agricultural adjustment. Pp. 551-565. Price 5¢.
1746. The meaning of foreign trade for agriculture. Pp. 566-584. Price 5¢.
1749. The industrial market for farm products. Pp. 606-626. Price 5¢.
1750. Reducing the costs of food distribution. Pp. 627-637. Price 5¢.
1752. Thirty million customers for the surplus. Pp. 650-655. Price 5¢.
1756. The growth of farm-city cooperative associations. Pp. 706-719. Price 5¢.
1757. The transportation problem of agriculture. Pp. 720-739. Price 5¢.
1758. Agricultural credit. Pp. 740-754. Price 5¢.
1759. Crop insurance. Pp. 755-770. Price 5¢.
1760. Rural taxation. Pp. 771-789. Price 5¢.
1761. Rural electrification. Pp. 790-809. Price 5¢.
1762. New conditions demand new opportunities. Pp. 810-826. Price 5¢.
1763. The rural people. Pp. 827-847. Price 5¢.
1766. Farm tenancy. Pp. 887-906. Price 5¢.
1767. Farm labor in an era of change. Pp. 907-921. Price 5¢.
1768. Beyond economies. Pp. 922-937. Price 5¢.
1769. Trends in national farm organizations. Pp. 941-979. Price 10¢.
1770. Cultural anthropology and modern agriculture. Pp. 983-993. Price 5¢.
1771. Democracy in agriculture—Why and how? Pp. 994-1002. Price 5¢.
1772. The cultural setting of American agricultural problems. Pp. 1003-1032. Price 10¢.
1773. Education for rural life. Pp. 1033-1041. Price 5¢.
1774. The contribution of sociology to agriculture. Pp. 1042-1055. Price 5¢.
1775. A philosophy of life for the American farmer and others. Pp. 1056-1071. Price 5¢.
1776. Public information and the preservation of democracy. Pp. 1075-1080. Price 5¢.
1777. Science and agricultural policy. Pp. 1081-1110. Price 10¢.
1779. Old and new in agricultural organization. Pp. 1125-1137. Price 5¢.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

- Agricultural situation. Vol. 25, No. 6, June 1941. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.²
Agriculture in the Americas. Vol. 1, No. 5, June 1941. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.20 a year, foreign.²

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Experiment station record. Vol. 84, No. 6, June 1941. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign.² Single numbers for sale only. Price 15¢.

Extension service review. Vol. 12, No. 6, June 1941. Illus. Price, 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign.²

Journal of agricultural research. Price, \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.³ Not distributed free to individuals.

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G-1169. (In Vol. 61, No. 6.) Modification of diurnal transpiration in wheat by infections of *Puccinia triticina*. C. O. Johnston and E. C. Miller.

G-1175. (In Vol. 61, No. 7.) Developmental morphology of the growing point of the shoot and the inflorescence in grasses. Morgan W. Evans and Frederick O. Grover.

G-1176. (In Vol. 61, No. 7.) A comparative study of the seasonal root development of some inbred hybrids of maize. J. T. Spencer.

G-1180. (In Vol. 61, No. 10.) Effect of certain fungicides and environmental factors on the rate of transpiration of tomato plants. Arthur C. Foster and Everett C. Tatman.

G-1181. (In Vol. 61, No. 10.) Effect of environmental factors on the transpiration and growth of tomato plants. Arthur C. Foster and Everett C. Tatman.

I-28. (In Vol. 61, No. 8.) Early recognition of the freemartin condition in heifers twinborn with bulls. W. W. Swett, C. A. Matthews, and R. R. Graves.

K-309. (In Vol. 61, No. 10.) The chloroform-soluble components of beet leafhoppers as an indication of the distance they move in the spring. Robert A. Fulton and Van E. Romney.

Ga.-17. (In Vol. 61, No. 10.) Inheritance of seed-coat color in peanuts. B. B. Higgins.

N. Y. (Cornell)-47. (In Vol. 61, No. 9.) Cane gall of brambles caused by *Phytophthora rubi* n. sp. E. M. Hildebrand.

N. Dak.-18. (In Vol. 61, No. 10.) Effectiveness of heat penetration in meat canned in glass jars in a pressure cooker. Casper I. Nelson and Darline Knowles.

Wash.-37. (In Vol. 61, No. 12.) Digestibility of nutrients in four varieties of sweetclover hay. Jerry Sotola.

Journal of agricultural research. Vol. 61, July 1-December 15, 1940, Index; Vol. 62, No. 7, April 1; No. 8, April 15; No. 9, May 1, 1941.

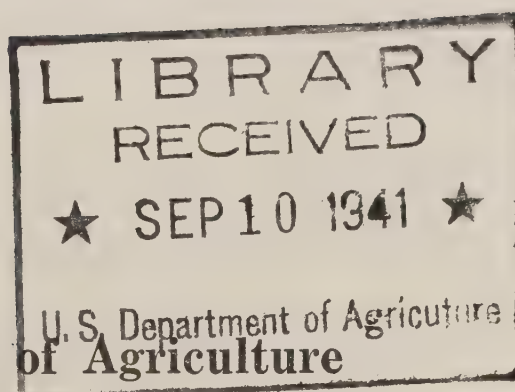
Land policy review. Vol. IV, No. 6, June 1941. Price, 5¢ a copy, 25¢ a year, domestic.²

Rural electrification news. Vol. 6, No. 7, March; No. 8, April; No. 9, May, 1941. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.²

Soil conservation. Vol. 6, No. 12, June 1941. Price, 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.²

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FARMER'S BULLETINS

- Forestry and farm income.** Wilbur R. Mattoon, Forest Service. 32 p., illus. (F. B. 1117F., rev.) Price 5¢.
- Marketing eggs.** Rob R. Slocum, Agricultural Marketing Service. 37 p., illus. (F. B. 1378F., rev.) Price 10¢.
- Mushroom growing in the United States.** Edmund B. Lambert, Bureau of Plant Industry. 38 p., illus. (F. B. 1875F.) Price 10¢.
- Buying boys' suits.** Clarice Louisba Scott, Bureau of Home Economics. 18 p., illus. (F. B. 1877F.) Price 5¢.
- Ponds for wildlife.** Philip F. Allan and Cecil N. Davis, Soil Conservation Service. 46 p., illus. (F. B. 1879F.) Price 10¢.

TECHNICAL BULLETINS

- The yellow chapote, a native host of the Mexican fruitfly.** C. C. Plummer, M. McPhail, and J. W. Monk, Bureau of Entomology and Plant Quarantine. 12 p., illus. (T. B. 775T.) Price 5¢.
- The biology and control of the sorghum midge.** E. V. Walter, Bureau of Entomology and Plant Quarantine. 27 p., illus. (T. B. 778T.) Price 10¢.

CIRCULARS

- The black grain stem sawfly and the European wheat stem sawfly in the United States.** E. J. Udine, Bureau of Entomology and Plant Quarantine. 9 p., illus. (Cir. 607C.) Price 5¢.
- The Pan America tomato, a new red variety highly resistant to fusarium wilt.** William S. Porte and H. B. Walker, Bureau of Plant Industry. 6 p., illus. (Cir. 611C.) Price 5¢.

MISCELLANEOUS PUBLICATIONS

- A dangerous neighbor for wheat, oats, barley, and rye.** Bureau of Entomology and Plant Quarantine. Folder. Illus. (M. P. 131M., rev.) Price 5¢.
- Legumes for erosion control and wildlife.** Edward H. Graham, Soil Conservation Service. 153 p., illus. (M. P. 412M.) Price 65¢ (buckram). For sale only.
- Workers in subjects pertaining to agriculture in land-grant colleges and experiment stations, 1940-41.** Betty T. Richardson, Office of Experiment Stations. 174 p. (M. P. 420M.) Price 20¢. For sale only.
- Directory of organization and field activities of the Department of Agriculture: 1941.** Edmund Stephens, Office of Budget and Finance, in cooperation with the Offices of Information and Personnel, and other offices and bureaus of the Department. 243 p. (M. P. 431M.) Price 25¢.
- Cottonseed: Official grading and market news.** Agricultural Marketing Service. (M. P. 441M.) [6] p. Price 5¢.
- New settlement in the Mississippi Delta.** Bureau of Agricultural Economics. 20 p., illus. (M. P. 442M.) Price 5¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

- Air-oven and water-oven methods specified in the official grain standards of the United States for determining the moisture content of grain. Service and regulatory announcements No. 147. Revised August 1941. Agricultural Marketing Service. 3 p. (S. R. A.-A. M. S. 147.)¹
- Amendment to regulation 17, B. A. I. Order 211—Revised. (Regulations governing the meat inspection of the United States Department of Agriculture.) 1 p. (Amdt. 11 to B. A. I. Order 211, revised.)¹
- Bureau of Animal Industry. Service and regulatory announcements. May 1941. Pp. 43-50. (S. R. A.-B. A. I. 409.) 25¢ a year, 5¢ a copy.²
- Bureau of Entomology and Plant Quarantine. Service and regulatory announcements. January March 1941. Pp. 1-43. (S. R. A.-B. E. P. Q. No. 146.)¹

SOIL SURVEYS

- Tennessee, Jefferson County. (No. 20, Series 1935.) 104 p., illus. Price 50¢.

AGRICULTURAL ADJUSTMENT ADMINISTRATION

- G-109. Our future strength. Folder. Illus.¹
- G-110. Harvests for tomorrow. Folder. Illus.¹

OTHER PUBLICATIONS

- Commodity Exchange Act, as amended. Commodity Exchange Administration. 82 p. June 17, 1941. Price 15¢.
- Erosion and related land use conditions in Winona County, Minnesota. Mark H. Brown and Iver Nygard, Soil Conservation Service. 33 p., illus. (E. S. No. 17.) Price 20¢. For sale only.
- Erosion and related land use conditions in the Illinois Bayou Soil Conservation District, Arkansas. C. J. Finger, Jr., Soil Conservation Service. 46 p., illus. (E. S. No. 18.) Price 35¢. For sale only.
- Index-catalogue of medical and veterinary zoology. Part 5. Authors: E. to Fynney. Albert Hassall, Mildred A. Doss, Ruth M. Taylor, Gertrude B. Carson, and Dorothy B. Segal, Bureau of Animal Industry. Pp. 1177-1458. Price 45¢.
- Minnesota farm hand book 1941. In cooperation with the Minnesota Extension Service. 58 p. Price 10¢.
- Report on the agricultural experiment stations, 1940. J. T. Jardine, F. D. Fromme, and H. L. Knight. 272 p. Price 25¢.
- Surplus farm products—Where shall we find a market? Bureau of Agriculture Economics. 28 p., illus. (DS20.) Price 10¢.

FARM CREDIT ADMINISTRATION

- Cooperative grain marketing in the United States. Harold Hedges, Farm Credit Administration. 12 p., illus. (Cir. No. C-122.) Price 5¢.
- Loans—by production credit associations. Farm Credit Administration. [12] p., illus. (Cir. No. 3.)¹
- Loans to farmers and ranchers 1940. Farm Credit Administration. 20 p., illus. (A-22.)¹
- The 8th annual report of the Farm Credit Administration, 1940. A. G. Black. 292 p. Price 30¢ (paper).
- The Federal intermediate credit banks. Farm Credit Administration. 16 p., illus. (Cir. No. 7, rev.)¹

REPRINTS FROM 1940 YEARBOOK

1677. Protein requirements of man. D. Breese Jones. Pp. 173-186. Price 5¢.
1727. Farmers in a changing world—A summary. Gove Hambidge. Pp. 1-100. Price 15¢.

¹ These may be obtained from the issuing bureau.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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Farmers' Bulletins	Leaflets	Other publications

1729. Old ideals versus new ideas in farm life. Paul H. Johnstone. Pp. 111-170. Price 10¢.
1780. Cooperative land use planning—A new development in democracy. Ellery A. Foster and Harold A. Vogel. Pp. 1138-1156. Price 5¢.
1781. Some essentials of a good agricultural policy. Howard R. Tolley. Pp. 1159-1183. Price 10¢.
1780. Cooperative land use planning—A new development in democracy. Ellery Pp. 1174-1196. Price 5¢.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

- Agricultural situation.** Vol. 25, No. 7, July 1941. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.²
- Agriculture in the Americas.** Vol. 1, No. 6, July; No. 7, August 1941. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.20 a year, foreign.²
- Crops and markets.** Vol. 18, No. 6, June 1941. Price 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.²
- Extension service review.** Vol. 2, No. 7, July 1941. Illus. Price, 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign.²
- Fire control notes.** Vol. 5, No. 3, July 1941. Price 15¢ a copy; 50¢ a year, domestic.²
- Foreign agriculture.** Vol. 5, No. 6. June; No. 7, July 1941. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.60 a year, foreign.²
- Journal of agricultural research.** Price, \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.² Not distributed free to individuals.

Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. The Office of Information has none for general distribution.

- A-201. (In Vol. 61, No. 12.) Comparison of the wool and skins of full-fed and maintenance-fed lambs. M. X. Sullivan, W. C. Hess, and Paul E. Howe.
- F-95. (In Vol. 62, No. 3.) Theoretical analysis of smoke-column visibility. H. D. Bruce.
- G-1184. (In Vol. 61, No. 11.) *Lygus* bug damage to alfalfa in relation to seed production. John W. Carlson.
- G-1185. (In Vol. 61, No. 11.) Toxic effect on germinating sugar-beet seed of water-soluble substances in the seed ball. Bion Tolman and Myron Stout.
- G-1186. (In Vol. 61, No. 12.) *Stemphylium* leaf spot of red clover and alfalfa. Oliver F. Smith.
- G-1187. (In Vol. 62, No. 2.) Germination reduction and radicle decay of conifers caused by certain fungi. Paul Lewis Fisher.
- G-1188. (In Vol. 61, No. 12.) Two types of fall panicum smut. H. W. Johnson, H. A. Rodenhiser, and C. L. Lefebvre.
- G-1190. (In Vol. 62, No. 2.) The personal element and light as factors in the study of the genus *Fusarium*. L. L. Harter.
- G-1191. (In Vol. 62, No. 2.) Prediction of cull following fire in Appalachian oaks. George H. Hepting.
- G-1193. (In Vol. 62, No. 2.) Hybridization between *Ustilago avenae* and *Ustilago perennans*. C. S. Holton and G. W. Fischer.

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- G-1194. (In Vol. 62, No. 3.) Response of *Phymatotrichum omnivorum* to certain trace elements. Lester M. Blank.
Ala.-18. (In Vol. 62, No. 2.) The influence of temperature and season on the citrus red mite *Paratetranychus citri*.) L. L. English and G. T. Turnipseed.
Calif.-116. (In Vol. 62, No. 1.) Tulip anthracnose. C. M. Tompkins and H. N. Hansen.
Conn. (New Haven). (In Vol. 62, No. 2.) *Cyclocephala (Ochrosidia) borealis* in Connecticut. J. Peter Johnson.
Hawaii-7. (In Vol. 62, No. 3.) Comparison of rates of apparent photosynthesis and respiration of diseased and healthy bean leaflets. G. K. Parris.
Ill.-75. (In Vol. 61, No. 12.) The utilization by calves of energy in rations containing different percentages of protein and in glucose supplements. H. H. Mitchell, T. S. Hamilton, and W. T. Haines.
Nebr.-18. (In Vol. 61, No. 11.) Response of two clonal strains of Triumph potatoes to various controlled environments. H. O. Werner.
Nebr.-19. (In Vol. 62, No. 1.) Carbohydrate metabolism and winter hardiness of wheat. Eric Kneen and M. J. Blish.
Wis.-122. (In Vol. 62, No. 1.) Strains of cucumber mosaic virus pathogenic on bean and pea. O. C. Whipple and J. C. Walker.

_____ Vol. 62, No. 10, May 15; No. 11, June 1, 1941.
Land policy review. Vol. IV, No. 7, July 1941. Price 5¢ a copy; 25¢ a year, domestic.²
News for farm cooperatives. Vol. 8, No. 2, May; No. 3, June; No. 4, July 1941. Price 10¢ a copy; \$1.00 a year, domestic.²
Rural electrification news. Vol. 6, No. 10, June 1941. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.²
Soil conservation. Vol. 7, No. 1, July 1941. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.²

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MONTHLY LIST OF PUBLICATIONS

AUGUST 1941

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Free distribution of technical material and periodicals is restricted.

This monthly list will be sent free on request made to the Office of Information, U. S. Department of Agriculture, Washington, D. C.

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

Pruning hardy fruit plants. Bureau of Plant Industry. 46 p., illus. (F. B. 1870F.) Price 10¢.

Control of insect pests of grain in elevator storage. R. T. Cotton and Geo. B. Wagner, Bureau of Entomology and Plant Quarantine. 22 p., illus. (F. B. 1880F.) Price 5¢.

LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins except that the Leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

How to control fleas. F. C. Bishopp, Bureau of Entomology and Plant Quarantine. 4 p., illus. (Leaf. 152L., rev.) Price 5¢.

TECHNICAL BULLETINS

The Technical Bulletin series contains the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

Country banking in Wisconsin during the depression. Fred L. Garlock, Bureau of Agricultural Economics. 112 p., illus. (T. B. 777T.) Price 15¢.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

Orchard insects of the Pacific Northwest and their control. E. J. Newcomer, Bureau of Entomology and Plant Quarantine. 80 p., illus. (Cir. 270C., rev.) Price 15¢.

Trading in wool top futures. Commodity Exchange Administration. 111 p., illus. (Cir. 604C.) Price 15¢.

Surface condition of soil and time of application as related to intake of water. F. L. Duley and L. L. Kelly, Soil Conservation Service, in cooperation with the Nebraska Agricultural Experiment Station. 31 p., illus. (Cir. 608C.) Price 10¢.

Tests of species and varieties of vetch for resistance to the vetch bruchid. J. S. Pinckney, Bureau of Entomology and Plant Quarantine, and R. E. Stitt, Bureau of Plant Industry; in cooperation with the North Carolina Department of Agriculture and the North Carolina Agricultural Experiment Station. 6 p. (Cir. 617C.) Price 5¢.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo.

Body measurements of American boys and girls for garment and pattern construction. A comprehensive report of measuring procedures and statistical analysis of data on 147,000 American children. Ruth O'Brien, Meyer A. Girshick, and Eleanor P. Hunt, Bureau of Home Economics, in cooperation with the Works Progress Administration. 141 p., illus. (M. P. 366M.) Price 60¢.

- Family expenditures for clothing. Five regions. Consumer purchases study. Farm series.** Day Monroe, Maryland Y. Pennell, Elizabeth Phelps, June Constantine Hooper, and Helen Hollingsworth, Bureau of Home Economics, in cooperation with the Work Projects Administration. 387 p., illus. (M. P. 428M.) Price 30¢.
- Forest resources of the upper peninsula of Michigan.** R. N. Cunningham and H. G. White, Forest Service. 32 p., illus. (M. P. 429M.) Price 20¢.
- Family expenditures for furnishings and equipment. Five regions. Consumer purchases study. Urban, village, and farm series.** Day Monroe, Helen Hollingsworth, Margaret Perry, and Maryland Y. Pennell, Bureau of Home Economics, in cooperation with the Work Projects Administration, 212 p. (M. P. 436M.) Price 25¢.
- Soil conservation districts in action on the land.** Glenn K. Rule, Soil Conservation Service. 25 p., illus. (M. P. 448M.) Price 15¢.
- Numerical list of current publications of the United States Department of Agriculture, compiled by comparison with the originals.** Fred L. Zimmerman and Phyllis R. Read, Office of Information. 929 p. (M. P. 450M.) Price \$1.75. For sale only.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. Free distribution is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

- Notices of judgment under the Insecticide Act. Agricultural Marketing Service.** Pp. 507-515. (N. J., I. F. 1778-1789).¹
- United States standards for grades of canned tomatoes. Effective April 1, 1941. Service and regulatory announcements No. 141. Agricultural Marketing Service.** 5 p. (S. R. A.-A. M. S. 141, rev.)¹
- Bureau of Animal Industry. Service and regulatory announcements. June 1941.** Pp. 51-58. (S. R. A.-B. A. I. 410). 25¢ a year, 5¢ a copy.²
- Index to service and regulatory announcements, 1940. Bureau of Entomology and Plant Quarantine.** 2 p. (S. R. A.-B. E. P. Q. Index, 1940).¹

OTHER PUBLICATIONS

- Defense foods need REA power. Rural Electrification Administration.** 4 p. (Electroc-Economy Supp., No. 1.)
- Farmers and the second year of national defense.** 4 p.

AGRICULTURAL ADJUSTMENT ADMINISTRATION

- G-106. Wheat storage on the farm and in the Ever-Normal Granary.** 57 p., illus.¹

REPRINTS FROM 1940 YEARBOOK

- 1728. The farmer's changing world.** F. F. Elliot. Pp. 103-110. Proce 5¢.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

- Agricultural situation. Vol. 25, No. 8, August 1941.** Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.²

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

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Farmers' Bulletins	Leaflets	Other publications

Agriculture in the Americas. Vol. 1, No. 7, August 1941. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.20 a year, foreign.²

This new monthly publication of 16 pages is designed to present in popular style agricultural developments in the Western Hemisphere, particularly as they affect the economic relations of the American Republics. The subject matter covers various phases of inter-American trade, as well as agricultural items of importance in the program for Hemisphere defense.

Crops and markets. Vol. 18, No. 7, July 1941. Price 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.²

Statistics concerning crop and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Experiment station record. Vol. 83, Index number. Vol. 85, No. 1, July; No. 2, August 1941. Price \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign.² Single numbers for sale only. Price 15¢.

A technical review of scientific literature pertaining to agriculture.

Extension service review. Vol. 12, No. 8, August 1941. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign.²

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Foreign agriculture. Vol. 5, No. 7, July; No. 8, August 1941. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.60 a year, foreign.²

A 48-page monthly periodical containing articles on foreign government policies relating to agriculture, foreign agricultural production and international trade in agricultural products. The articles in general are the result of special research or field investigations conducted by the office staff or commodity specialists of the Office of Foreign Agricultural Relations. Designed primarily for those who are interested in following changes in foreign policies as they affect agriculture.

Journal of agricultural research. Price \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.² Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. The Office of Information has none for general distribution.

G-1189. (In Vol. 62, No. 4.) Further studies on oat smuts, with special reference to hybridization, cytology, and sexuality. C. S. Holton.

G-1192. (In Vol. 62, No. 4.) Growth and flowering of some tame and wild grasses in response to different photoperiods. H. A. Allard and Morgan W. Evans.

Ky.-22. (In Vol. 62, No. 4.) Virus distribution in the leaves of mosaic-susceptible tobacco plants inoculated at topping time. W. D. Vaillean and Stephen Diachun.

N. Y. (Cornell)-48. (In Vol. 62, No. 6.) Factors affecting onion pungency. Hans Platenius and J. E. Knott.

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Journal of agricultural research—Continued.

Separates—Continued.

Wis.-123. (In Vol. 62, No. 6.) A study of various methods of preserving legumes and other forages by ensiling. B. Connor Johnson, W. H. Peterson, D. Mark Hegsted, and G. Bohstedt.

Wis.-125. (In Vol. 62, No. 6.) The reducing-substance and phenolic-compound content of the potato tuber in relation to discoloration after cooking. Carl O. Clagett and W. E. Tottingham.

— Vol. 62, No. 12, June 15, 1941.

Land policy review. Vol. IV, No. 8, August 1941. Price 5¢ a copy; 25¢ a year, domestic.²

Gives information on current developments in land policy and land programs to workers of the Department of Agriculture and cooperating groups.

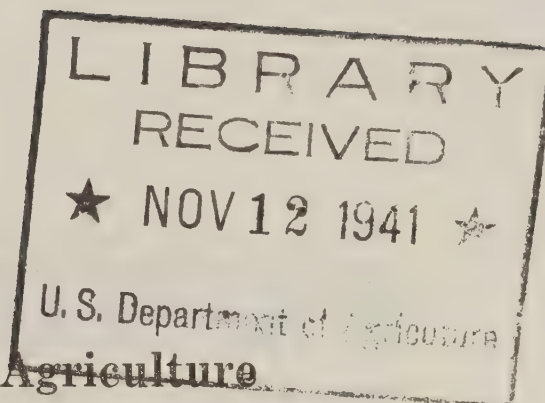
Rural electrification news. Vol. 6, No. 11, July; No. 12, August 1941. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.²

Issued monthly by the Rural Electrification Administration. A summary of rural electrification activities and a clearing house for interchange of information pertaining to utilization of electric power in farm tasks.

Soil conservation. Vol. 6, 1941, Index; Vol. 7, No. 2, August 1941. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.²

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.



United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

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LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins except that the Leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

Crested wheatgrass. H. L. Westover and George A. Rogler, Bureau of Plant Industry. 8 p., illus. (Leaf. 104L., rev.) Price 5¢.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

Equipment for city milk plants. C. E. Clement, J. B. Bain, and F. M. Grant, Bureau of Dairy Industry. 52 p., illus. (Cir. 99C., rev.) Price 10¢.

Adsorption of mercuric chloride from solution by gladiolus corms. R. H. Nelson and C. C. Cassil, Bureau of Entomology and Plant Quarantine. 11 p. (Cir. 610C.) Price 5¢.

Studies on the respiration of strawberry and raspberry fruits. Mark H. Haller, Dean H. Rose, and Paul L. Harding, Bureau of Plant Industry. 13 p., illus. (Cir. 613C.) Price 5¢.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

Eradication of the parlatoria date scale in the United States. B. L. Boyden, Bureau of Entomology and Plant Quarantine. 62 p., illus. (M. P. 433M.) Price 10¢.

Nursery practice for trees and shrubs suitable for planting on the prairie-plains. H. E. Engstrom and J. H. Stoeckeler, Forest Service. 159 p., illus. (M. P. 434M.) Price 25¢.

Employment information. Charles R. Peck, Office of Personnel. 38 p., illus. (M. P. 438M.) Price 15¢.

List of publications of the United States Department of Agriculture from January 1936 to December 1940, inclusive. Compiled by Mabel Hunt Doyle, Office of Information. Supplementary to Miscellaneous Publications Nos. 9, 153, and 252. 68 p. (M. P. 443M.)

Publications and visual information on soil conservation. May 1941. Soil Conservation Service. 30 p. (M. P. 446M.) Price 10¢.

List of sires proved in dairy herd improvement associations, 1941. Bureau of Dairy Industry. 236 p. (M. P. 453M.) Price 25¢. For sale only.

The A B C of canned fruit and vegetable labeling. Agricultural Marketing Service. 8 p., illus. (M. P. 460M.) Price 5¢.

SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area.

West Virginia, Greenbrier County. (No. 3, series 1937.) 84 p., illus. Price 50¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. Free distribution is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Bureau of Animal Industry. Service and regulatory announcements. July 1941. Pp. 59-66 (S. R. A.-B. A. I. 411); August 1941. Pp. 67-77 (S. R. A.-B. A. I. 412). Price 25¢ a year, 5¢ a copy.¹

Bureau of Entomology and Plant Quarantine. Table of contents for service and regulatory announcements 1940, with list of plant pests intercepted with imported plants and plant products. 4 p. (S. R. A., B. E. P. Q.)²

REPRINTS FROM 1940 YEARBOOK

1782. Appendix: A brief chronology of American agricultural history. Dorothy C. Goodwin, under the direction of Paul H. Johnstone. Pp. 1184-1196. Price 5¢.

OTHER PUBLICATIONS

Directory of the Bureau of Animal Industry. Corrected to July 1, 1941. 61 p. Price 10¢.

Erosion and related land use conditions on the West Taub Creek Demonstration Project, Kansas. R. G. Dunmire, Soil Conservation Service. 25 p., illus. (E. S. No. 21). Price 20¢.

RURAL ELECTRIFICATION ADMINISTRATION

Give and take. Folder.²

Running water at a price you can afford for the kitchen, for the bathroom, for the barns, for the garden. Folder.²

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 25, No. 9, September 1941. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.¹

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Agriculture in the Americas. Vol. 1, No. 8, September; No. 9, October 1941. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.20 a year, foreign.¹

This monthly publication of 16 pages is designed to present in popular style agricultural developments in the Western Hemisphere particularly as they affect the economic relations of the American Republics. The subject matter covers various phases of inter-American trade, as well as agricultural items of importance in the program for hemisphere defense.

Crops and markets. Vol. 18, No. 8, August 1941. Price 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.¹

Statistics concerning crop and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

² These may be obtained free upon application to the issuing bureau.

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Farmers' Bulletins	Leaflets	Other publications

Experiment station record. Vol. 85, No. 3, September; No. 4, October 1941. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign.¹ Single numbers for sale only. Price 15¢.

A technical review of scientific literature pertaining to agriculture.

Extension service review. Vol. 12, No. 9, September 1941. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.40 a year, foreign.¹

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Foreign agriculture. Vol. 5, No. 9, September 1941. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.60 a year, foreign.¹

A 48-page monthly periodical containing articles on foreign government policies relating to agriculture, foreign agricultural production and international trade in agricultural products. The articles in general are the result of special research or field investigations conducted by the office staff or commodity specialists of the Office of Foreign Agricultural Relations. Designed primarily for those who are interested in following changes in foreign policies as they affect agriculture.

Journal of agricultural research. Price \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.¹ Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. The Office of Information has none for general distribution.

A-200. (In Vol. 62, No. 5.) Relation of diet of swine to development of locomotor incoordination resulting from nerve degeneration. N. R. Ellis and L. L. Madsen.

A-202. (In Vol. 62, No. 8.) Mercuric chloride as a preservative of cyanogenetic plants for chemical analysis. Reinhold R. Brieser and James F. Couch.

G-1195. (In Vol. 62, No. 6.) Effect of cool storage of Easter lily bulbs on subsequent forcing performance. Philip Brierley.

G-1196. (In Vol. 62, No. 7.) Sterility and aberrant chromosome numbers in Caloro and other varieties of rice. Jenkin W. Jones and A. E. Longley.

G-1198. (In Vol. 62, No. 9.) Drought tolerance in snap beans M. F. Babb, James E. Kraus, B. L. Wade, and W. J. Zaumeyer.

G-1199. (In Vol. 62, No. 7.) Knob positions on teosinte chromosomes. A. E. Longley.

G-1201. (In Vol. 62, No. 7.) Studies on the preparation of mushroom compost. Edmund B. Lambert.

G-1202. (In Vol. 62, No. 7.) Use of lemna for nutrition studies on green plants. Robert A. Steinberg.

G-1208. (In Vol. 62, No. 8.) Ring necrosis of cabbage. R. H. Larson and J. C. Walker.

K-310. (In Vol. 62, No. 9.) Glycogen in *Prodenia eridania* with special reference to the ingestion of glucose. Frank H. Babers.

Calif.-117. (In Vol. 62, No. 8.) Buckeye rot of tomato in California. C. M. Tompkins and C. M. Tucker.

Kans.-94. (In Vol. 62, No. 6.) Physiologic studies of *Rhizobium meliloti* with special reference to the effectiveness of strains isolated in Kansas. John T. Kroulik and P. L. Gainey.

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Journal of agricultural research—Continued.

- Kans.-95. (In Vol. 62, No. 9.) Calcium requirements of growing pigs. C. E. Aubel, J. S. Hughes, and W. J. Peterson.
N. Dak.-19. (In Vol. 62, No. 8.) Analysis of yield of hard red spring wheat grown from seed of different weights and origin. L. R. Waldron.
Okla.-28. (In Vol. 62, No. 7.) Body form in growing chickens. R. George Jaap.
Wis.-124. (In Vol. 62, No. 8.) Influence of aphid resistance in peas upon aphid development, reproduction, and longevity. C. D. Harrington.
Wis.-126. (In Vol. 62, No. 10.) Production of heat and ovulation in the anestrus ewe. T. Donald Bell, L. E. Casidi, G. Bohstedt, and A. E. Darlow.

Vol. 63, No. 1, July 1; No. 2, July 15; No. 3, August 1; No. 4, August 15, 1941.

Land policy review. Vol. IV, No. 9, September 1941. Price, 5¢ a copy; 50¢ a year, domestic.¹

Gives information on current developments in land policy and land programs to workers of the Department of Agriculture and cooperating groups.

News for farmer cooperatives. Vol. 8, No. 5, August; No. 6, September 1941. Price 10¢ a copy; \$1.00 a year, domestic.¹

Issued free to cooperative associations, public institutions, and persons primarily concerned with furthering the cooperative movement among farmers.

Rural electrification news. Vol. 7, No. 1, September 1941. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.¹

Issued monthly by the Rural Electrification Administration. A summary of rural electrification activities and a clearing house for interchange of information pertaining to utilization of electric power in farm tasks.

Soil conservation. Vol. 7, No. 3, September 1941. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.¹

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

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United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

U. S. Department of Agriculture

OCTOBER 1941

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FARMERS' BULLETINS

Diseases of raspberries and blackberries. B. O. Dodge and R. B. Wilcox, Bureau of Plant Industry. 33 p., illus. (F. B. 1488F., rev.) Price 10¢.

Farm production of sugarcane sirup. C. F. Walton, Jr., E. K. Ventre, M. A. McCalip, and C. A. Fort, Bureau of Agricultural Chemistry and Engineering, 38 p., illus. (F. B. 1874F.) Price 10¢.

LEAFLETS

Pricklypear control on short-grass range in the Central Great Plains. David F. Costello, Forest Service. 6 p., illus. (Leaf. 210L.) Price 5¢.

TECHNICAL BULLETINS

The European earwig. S. E. Crumb, P. M. Eide, and A. E. Bonn, Bureau of Entomology and Plant Quarantine. 76 p., illus. (T. B. 766T.) Price 15¢.

Selenium occurrence in certain soils in the United States, with a discussion of related topics: Sixth report. H. W. Lakin and H. G. Byers, Bureau of Plant Industry. 27 p., illus. (T. B. 783T.) Price 5¢.

Hibernation of the corn earworm in southeastern Georgia. G. W. Barber, Bureau of Entomology and Plant Quarantine. 17 p. (T. B. 791T.) Price 5¢.

CIRCULARS

A flower-spot disease of cultivated azaleas. Freeman Weiss, Bureau of Plant Industry, and Floyd F. Smith, Bureau of Entomology and Plant Quarantine. 26 p., illus. (Cir. 556C, rev.) Price 10¢.

Rice varieties and their comparative yields in the United States. Jenkin W. Jones, Bureau of Plant Industry; J. Mitchell Jenkins, Rice Experiment Station, Crowley, La.; Martin Nelson, formerly with College of Agriculture, Fayetteville, Ark.; L. C. Carter and C. Roy Adair, Rice Branch Experiment Station, Stuttgart, Ark.; R. H. Wyche and H. M. Beachell, Texas Substation No. 4, Beaumont, Tex.; Loren L. Davis, Biggs Rice Field Station, Biggs, Calif.; and B. M. King, College of Agriculture, Columbia, Mo. 34 p., illus. (Cir. 612C.) Price 10¢.

Preservation of fruits and vegetables by commercial dehydration. E. M. Chace, W. A. Noel, and V. A. Pease, Agricultural Chemistry and Engineering. 46 p., illus. (Cir. 619C.) Price 10¢.

Avocado production in the United States. Hamilton P. Traub, Carl S. Pomeroy, T. Ralph Robinson, and W. W. Aldrich, Bureau of Plant Industry. 28 p., illus. (Cir. 620C.) Price 10¢.

MISCELLANEOUS PUBLICATIONS

The National Poultry Improvement Plan. Bureau of Animal Industry, in cooperation with poultry leaders, poultry breeders, and members of the breeder and commercial hatchery industry. 28 p., illus. (M. P. 300M., rev.) Price 10¢.

Marketing peanuts and peanut products. Harold J. Clay, Agricultural Marketing Service. 124 p., illus. (M. P. 416M.) Price 20¢.

The *Aspergillus glaucus* group. Charles Thom and Kenneth B. Raper, Bureau of Plant Industry. 46 p., illus. (M. P. 426M.) Price 10¢.

Descriptions of types of principal American varieties of onions. Roy Magruder, R. E. Webster, Bureau of Plant Industry; H. A. Jones and T. E. Randall, California Agricultural Experiment Station; G. B. Snyder, Massachusetts State College; H. D. Brown, Ohio Agricultural Experiment Station; Leslie R. Hawthorn, Texas Agricultural Experiment Station; and A. L. Wilson, Utah Agricultural Experiment Station. 87 p., illus. (M. P. 435M.) Price 50¢.

Shoe sizing and fitting. An analysis of practices and trends. Carol Willis Moffett, Bureau of Home Economics. 31 p. (M. P. 469M.) Price 10¢.

Minimum requirements for farmhouses. 8 p. (M. P. 475M.) Price 5¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Bureau of Entomology and Plant Quarantine. Service and regulatory announcements. April-June 1941. Pp. 45-64. (S. R. A.-B. E. P. Q. No. 147.)¹

SOIL SURVEYS

California, Sacramento-San Joaquin delta area. (No. 21, Series 1935.) 48 p., illus. Price 35¢.

OTHER PUBLICATIONS

1941 supplement to Laws applicable to the United States Department of Agriculture (1935 edition), embracing statutes of a permanent character, reorganization plans, and executive orders affecting the Department of Agriculture which were not included in the 1935 edition or which have been enacted or issued between September 6, 1935, and January 13, 1941. James K. Knudson and Mastin G. White, Office of the Solicitor. 664 p. Price \$1.25. For sale only.

Dried fruits in low cost meals. Surplus Marketing Administration and Bureau of Home Economics. Folder.²

Farm tenancy law. Bureau of Agricultural Economics in cooperation with Extension Service. 14 p. (CPS No. 11.) Price 5¢.

Getting established on the land. Bureau of Agricultural Economics in cooperation with Farm Security Administration and Extension Service. 51 p. (DS 21.) Price 10¢.

Management and development of State and county land. Bureau of Agricultural Economics in cooperation with Extension Service. 9 p. (CPS No. 13.) Price 5¢.

On the level. Contour cultivation in conservation farming. Soil Conservation Service. Folder.¹

Rural tax-delinquent lands. Bureau of Agricultural Economics in cooperation with Extension Service. 6 p. (CPS No. 12.) Price 5¢.

Save your soil. Range improvement by proper stocking. Soil Conservation Service. Folder. Illus. (C. F. No. 4.)¹

Save your soil. Strip cropping for control of wind erosion. Soil Conservation Service. Folder. Illus. (C. F. No. 5.)¹

State and county land-purchase programs. Bureau of Agricultural Economics in cooperation with the Extension Service. 7 p. (CPS No. 14.) Price 5¢.

Western water law. Bureau of Agricultural Economics in cooperation with Extension Service. 7 p. (CPS No. 15.) Price 5¢.

Your farm can help. Folder.³

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 25, No. 10, October 1941. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.³

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

¹ These may be obtained free upon application to the issuing bureau.

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Be sure to write your name and address plainly on reverse side of this form.

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This new monthly publication of 16 pages is designed to present in popular style agricultural developments in the Western Hemisphere particularly as they affect the economic relations of the American Republics. The subject matter covers various phases of inter-American trade, as well as agricultural items of importance in the program for Hemisphere defense.

Crops and markets. Vol. 18, No. 9, September 1941. Price 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.²

Statistics concerning crop and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Experiment station record. Vol. 85, No. 5, November 1941. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign.² Single numbers for sale only. Price 15¢.

A technical review of scientific literature pertaining to agriculture.

Extension service review. Vol. 12, No. 10, October; No. 11, November 1941. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign.

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Fire control notes. Vol. 5, No. 4, October 1941. Price, 15¢ a copy; 50¢ a year, domestic.²

A quarterly periodical devoted to the technique of fire control. The articles deal with fire research or fire control management; theory, relationships, prevention, equipment, detection, communication, transportation, cooperation, planning, organization, personnel management, training, fire-fighting methods of reporting, and statistical systems.

Foreign agriculture. Vol. 5, No. 9, September; No. 10, October 1941. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.60 a year, foreign.²

A 48-page monthly periodical containing articles on foreign government policies relating to agriculture, foreign agricultural production and international trade in agricultural products. The articles in general are the result of special research or field investigations conducted by the office staff or commodity specialists of the Office of Foreign Agricultural Relations. Designed primarily for those who are interested in following changes in foreign policies as they affect agriculture.

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G-1197. (In Vol. 62, No. 9). Mottle leaf, a virus disease of cherries. E. L. Reeves.

G-1200. (In Vol. 62, No. 10). The boron deficiency disease in cabbage. J. C. Walker, John G. McLean, and James P. Jolivette.

G-1203. (In Vol. 62, No. 10). A blue stain fungus, *Ceratostomella montium* n. sp., and some yeasts associated with two species of *Dendroctonus*. Caroline T. Rumbold.

¹ These may be obtained upon application to the Agricultural Adjustment Administration.

² These may be obtained free upon application to the issuing bureau.

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Journal of agricultural research—Continued.

- G-1204. (In Vol. 62, No. 11). Distribution by the sap stream of spores of three fungi that induce vascular wilt diseases of elm. W. M. Banfield.
G-1205. (In Vol. 62, No. 12). Differentiation of physiologic races of *Uromyces phaseoli typica* on bean. L. L. Harter and W. J. Zaumeyer.
G-1207. (In Vol. 62, No. 12). Factors affecting the germination of various dropseed grasses (*Sporobolus* spp.) Vivian Kearns Toole.
G-1209. (In Vol. 62, No. 10). Effect of temperature during irradiation on the X-ray sensitivity of maize seed. J. H. Kempton and Louis R. Maxwell.
Ga.-18. (In Vol. 62, No. 11). A histological study of snap bean tissues affected with black root. Wilbert A. Jenkins.
Ky.-21. (In Vol. 62, No. 4). Virus distribution in mosaic-resistant tobacco and its relation to pattern development in susceptible varieties. W. D. Valleau and Stephen Diachun.
N. C.-37. (In Vol. 62, No. 5). The distribution and relation of fiber population, length, breaking load, weight, diameter, and percentage of thin-walled fibers on the cottonseed in five varieties of American upland cotton. Jerry H. Moore.
Wis.-127. (In Vol. 62, No. 12). Relations of nectar concentration to growth of *Erwinia amylovora* and fire blight infection of apple and pear blossoms. S. S. Ivanoff and G. W. Keitt.
Wis.-128. (In Vol. 62, No. 12). Transmission of fire blight by bees and its relation to nectar concentration of apple and pear blossoms. G. W. Keitt and S. S. Ivanoff.

Vol. 63, No. 5, September 1; No. 6, September 15; No. 7, October 1, 1941.

Land policy review. Vol. 4, No. 10, October 1941. Price 5¢ a copy; 50¢ a year, domestic.¹

Gives information on current developments in land policy and land programs to workers of the Department of Agriculture and cooperating groups.

Rural electrification news. Vol. 7, No. 2, October 1941. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.¹

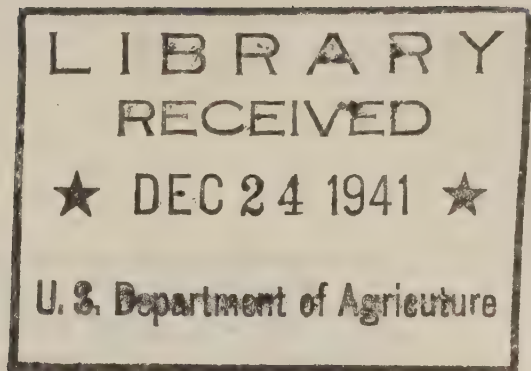
Issued monthly by the Rural Electrification Administration. A summary of rural electrification activities and a clearing house for interchange of information pertaining to utilization of electric power in farm tasks.

Soil conservation. Vol. 7, No. 4, October; No. 5, November 1941. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.¹

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

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MONTHLY LIST OF PUBLICATIONS

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FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

The sugarcane borer. J. W. Ingram and E. K. Bynum, Bureau of Entomology and Plant Quarantine. 17 p., illus. (F. B. 1884F.) 17 p., illus. Price 5¢.

LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins except that the Leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

Cotton from boll to bale. Francis L. Gerdes and William J. Martin, Agricultural Marketing Service, and Charles A. Bennett, Bureau of Agricultural Chemistry and Engineering. 6 p., illus. (Leaf. 211L.) Price 5¢.

Sour cream. How to prepare and use it at home. Bureau of Dairy Industry and Bureau of Home Economics. 8 p., illus. (Leaf. 213L.) Price 5¢.

TECHNICAL BULLETINS

The Technical Bulletin series contains the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

The wheat jointworm in Oregon, with special reference to its dispersion, injury, and parasitization. T. R. Chamberlin, Bureau of Entomology and Plant Quarantine. 48 p., illus. (T. B. 784T.) Price 10¢.

Supply responses in milk production in southeastern Minnesota. Edwin G. Strand and Erling Hole, Bureau of Agricultural Economics. 62 p., illus. (T. B. 789T.) Price 10¢.

The effect of pasteurization on some constituents and properties of goat's milk. H. S. Haller and C. J. Babcock, Bureau of Dairy Industry; and N. R. Ellis, Bureau of Animal Industry. 14 p., illus. (T. B. 800T.) Price 5¢.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

The commercial storage of fruits, vegetables, and florists' stocks. Dean H. Rose, R. C. Wright, and T. M. Whiteman, Bureau of Plant Industry. 52 p. (Cir. 278C., rev.) Price 10¢.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo.

- A classification of the scale insect genus *Asterolecanium*. Louise M. Russell, Bureau of Entomology and Plant Quarantine. 322 p., illus. (M. P. 424M.) Price 45¢.
- The work of the United States Cotton Ginning Laboratory. [23] p., illus. (M. P. 445M.) Price 10¢.
- Motion pictures of the United States Department of Agriculture, 1941. 29 p. (M. P. 451M.)
- The school lunch program and agricultural surplus disposal. H. M. Southworth and M. I. Klayman, Bureau of Agricultural Economics. 66 p., illus. (M. P. 467M.) Price 20¢.
- Community food preservation centers. Bureau of Home Economics. 64 p., illus. (M. P. 472M.) Price 10¢.
- The cotton-and-tobacco South. Soil Conservation Service. [18] p., illus. (M. P. 474 M.) Price 10¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. Free distribution is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

- Bureau of Animal Industry. Service and regulatory announcements. September 1941. Pp. 79-85. (S. R. A.—B. A. I. 413.) Price 5¢ a copy, 25¢ a year.¹

FARM CREDIT ADMINISTRATION

- Credit committee handbook. Farm Credit Administration. 40 p., illus. (Farm Credit Cir. 27.) Price 10¢.
- Farm credit. Available materials on agricultural financing. Farm Credit Administration. (Farm Credit Circular E 28.) Folder. Revision.²

OTHER PUBLICATIONS

- Climate and man. Yearbook of Agriculture. 1941. 1248 p., illus. For sale only.¹ Price \$1.75.
- Index to Farmers' Bulletins Nos. 1501-1750. Mabel Hunt Doyle, Office of Information. 135 p. Price 15¢.
- Index to Technical Bulletins Nos. 501-750. Mabel Hunt Doyle, Office of Information, 169 p. Price 20¢.
- Produce food for freedom. Soil Conservation Service.
- Hydrologic data, North Appalachian Experimental watershed Coshocton, Ohio. 1939. Soil Conservation Service. 193 p., illus. (Hydrologic Bull. No. 1.) For sale only.¹ Price 40¢.
- Save your soil. Contour strip cropping saves both soil and water. Soil Conservation Service. (C. F. No. 1.) Folder.
- Save your soil. Protected waterways in cultivated fields. Soil Conservation Service. (C. F. No. 2.) Folder.
- Save your soil. Wildlife and soil conservation go hand in hand. Soil Conservation Service. (C. F. No. 3.) Folder.
- Save your soil. Save soil moisture with contour tillage. (C. F. No. 6.) Folder.

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Statistics concerning crop and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

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A technical review of scientific literature pertaining to agriculture.

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Pa.-67. (In Vol. 62, No. 10). The chemical composition of forest fruits and nuts from Pennsylvania. Walter W. Wainio and E. B. Forbes.

Vol. 62, Index, January 1-June 15, 1941; Vol. 63, No. 8, October 15; No. 9, November 1; No. 10, November 15; No. 11, December 1, 1941.

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Land policy review. Vol. 4, No. 8, August 1941. Price 5¢ a copy; 50¢ a year, domestic; 75¢ a year, foreign.¹

Gives information on current developments in land policy and land programs to workers of the Department of Agriculture and cooperating groups.

News for farmer cooperatives. Vol. 8, No. 7, October; No. 8, November, 1941. Price 10¢ a copy; \$1.00 a year, domestic.¹

Issued free to cooperative associations, public institutions, and persons primarily concerned with furthering the cooperative movement among farmers.

Rural electrification news. Vol. 7, No. 3, November 1941. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.¹

Issued monthly by the Rural Electrification Administration. A summary of rural electrification activities and a clearing house for interchange of information pertaining to utilization of electric power in farm tasks.

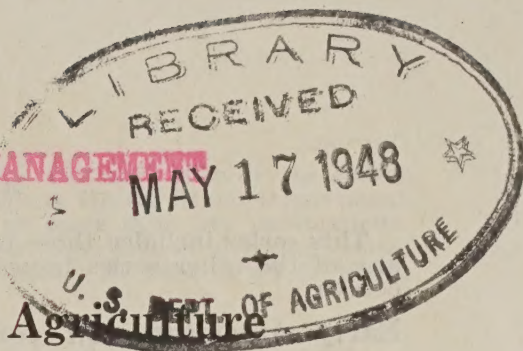
Soil conservation. Vol. 7, No. 6, December 1941. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.¹

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

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MONTHLY LIST OF PUBLICATIONS

DECEMBER 1941

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Free distribution of technical material and periodicals is restricted.

This monthly list will be sent free on request made to the Office of Information, U. S. Department of Agriculture, Washington, D. C.

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

Diseases and parasites of poultry. Hubert Bunyea and E. E. Wehr, Bureau of Animal Industry. 82 p., illus. (F. B. 1652F., rev.) Price 15¢.

Potato diseases and their control. T. P. Dykstra, Bureau of Plant Industry. 65 p., illus. (F. B. 1881F.) Price 10¢.

Poultry cooking. Lucy M. Alexander, Bureau of Home Economics. 33 p., illus. (F. B. 1888F.) Price 10¢.

Control of insects and mites attacking narcissus bulbs. Charles F. Doucette, Bureau of Entomology and Plant Quarantine. 25 p., illus. (F. B. 1890F.) Price 10¢.

Coat making at home. Margaret Smith, Bureau of Home Economics. 27 p., illus. (F. B. 1894F.) Price 10¢.

TECHNICAL BULLETINS

The Technical Bulletin series contains the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

Arsenic in natural phosphates and phosphate fertilizers. T. H. Tremearne and K. D. Jacob, Bureau of Plant Industry. 40 p., illus. (T. B. 781T.) Price 10¢.

The vitamin A values of 128 foods as determined by the rat-growth method. Lela E. Booher and Rosemary Loughlin Marsh, Bureau of Home Economics. (T. B. 802T.) 30 p., illus. Price 10¢.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

Mushroom pests and their control. A. C. Davis, Bureau of Entomology and Plant Quarantine. 27 p., illus. (Cir. 457C., rev.) Price 10¢.

Storage quality of the principal American varieties of onions. Roy Magruder and R. E. Wester, Bureau of Plant Industry; H. A. Jones and T. E. Randall, California Agricultural Experiment Station; G. B. Snyder, Massachusetts State College; H. D. Brown, Ohio Agricultural Experiment Station; Leslie R. Hawthorn, Texas Agricultural Experiment Station and Bureau of Plant Industry. 48 p. (Cir. 618C.) Price 10¢.

A practical seed-cotton moisture tester for use at gins. George E. Gaus and Charles S. Shaw, Agricultural Marketing Service; and Waldo H. Kliever, Bureau of Agricultural Chemistry and Engineering. 26 p., illus. (Cir. 621C.) Price 10¢.

Protein-digesting enzymes of papaya and pineapple. A. K. Balls, Bureau of Agricultural Chemistry and Engineering. 9 p., illus. (Cir. 631C.) Price 5¢.

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This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo.

Early American soil conservationists. Angus McDonald, Soil Conservation Service. 63 p., illus. (M. P. 449M.) Price 15¢.

List of bulletins of the agricultural experiment stations for the calendar years 1939 and 1940. Catherine E. Pennington, Office of Experiment Stations. 86 p. (M. P. 459M.) Price 15¢. For sale only.

Annotated list of elm insects in the United States. Clarence H. Hoffmann, Bureau of Entomology and Plant Quarantine. 20 p. (M. P. 466M.) Price 5¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. Free distribution is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Bureau of Animal Industry. Service and regulatory announcements. October 1941. Pp. 87-95. (S. R. A.-B. A. I. 414) ; Pp. 97-104. (S. R. A. B. A. I. 415). Price 5¢ a copy, 25¢ a year.¹

Bureau of Entomology and Plant Quarantine. Service and regulatory announcements. July-September 1941. Pp. 65-85. (S. R. A.-B. E. P. Q. No. 148.)²

OTHER PUBLICATIONS

New Hampshire farm handbook 1941. In cooperation with the Extension Service of the University of New Hampshire. 67 p. Price 15¢.

Report of the Chief of the Bureau of Animal Industry, 1941. J. R. Mohler, 92 p. Price 10¢.

Report of the Chief of the Bureau of Dairy Industry, 1941. O. E. Reed. 51 p. Price 10¢.

Report of the Chief of the Bureau of Home Economics, 1941. Louise Stanley. 24 p. Price 5¢.

Report of the Chief of the Office of Experiment Stations, 1941. James T. Jardine. 26 p. Price 10¢.

Report of the Director of Information, 1941. Morse Salisbury. 17 p. Price 5¢. For sale only.

✓ **Report of the Librarian, 1941.** Ralph R. Shaw. 18 p. Price 5¢. For sale only.

7 **Report of the President of the Commodity Credit Corporation, 1941.** J. B. Hutson. 25 p. Price 10¢.

Report of the Solicitor, 1941. Mastin G. White. 29 p. Price 10¢. For sale only.

RURAL ELECTRIFICATION ADMINISTRATION

Can you afford to operate an unelectrified farm? Folder.²

Cold weather is no match for your electric refrigerator. Folder.²

The electric feed mixer. Folder.²

The small portable motor. Folder.²

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 25, No. 12, December 1941. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.¹

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

¹ Payable to the Superintendent of Documents Government Printing Office, Washington, D. C.

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Indicate below by numbers IN NUMERICAL ORDER, bulletins desired. In order to assure prompt delivery detach this rank and return it in stamped envelope to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired, please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication. Be sure to fill in blank form on reverse side.

Farmers' Bulletins	Leaflets	Other publications

Crops and markets. Vol. 18, No. 11, November 1941. Price 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.¹

Statistics concerning crop and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products, and studies of prices and demand, both foreign and domestic.

Experiment station record. Vol. 86, No. 1, January 1942. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign.¹ Single numbers for sale only. Price 15¢.

A technical review of scientific literature pertaining to agriculture.

Extension service review. Vol. 12, No. 12, December 1941. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.40 a year, foreign.¹

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Foreign agriculture. Vol. 5, No. 12, December 1941. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.60 a year, foreign.¹

A 48-page monthly periodical containing articles on foreign government policies relating to agriculture; foreign agricultural production and international trade in agricultural products. The articles in general are the result of special research or field investigations conducted by the office staff or commodity specialists of the Office of Foreign Agricultural Relations. Designed primarily for those who are interested in following changes in foreign policies as they affect agriculture.

Journal of agricultural research. Price \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢ foreign. Separates, 5¢ domestic; 8¢ foreign.¹ *Not distributed free to individuals.*

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. The Office of Information has none for general distribution.

A-203. (In Vol. 63, No. 4.) Use of the penetrometer for determining the firmness of fatty tissue of hog carcasses. R. L. Hiner and O. G. Hankins.

A-204. (In Vol. 63, No. 1.) Use of sodium bifuoride and sodium silicofluoride in the disinfection of hides. C. A. Manthei and A. Eichhorn.

A-205. (In Vol. 63, No. 4.) Factors influencing rate of gain of beef calves during the suckling period. Bradford Knapp, Jr., and W. H. Black.

A-206. (In Vol. 63, No. 4.) Survival and development at low temperatures of eggs and preinfective larvae of horse strongyles. John T. Lucker.

A-207. (In Vol. 63, No. 5.) "Particles" and their relationship to the structure of animal fibers. J. I. Hardy and Thora M. Plitt.

E-88. (In Vol. 63, No. 4.) The hemicelluloses of sugarcane fiber (bagasse). B. L. Davis and Max Phillips.

G-1210. (In Vol. 63, No. 2.) Progress of germination of seed of *Digitaria* as influenced by germination temperature and other factors. Eben H. Toole and Vivian Kearns Toole.

G-1211. (In Vol. 63, No. 2.) Interspecific genetic relationships in *Lactuca*. Ross C. Thompson, Thomas W. Whitaker, and William F. Kosar.

G-1212. (In Vol. 63, No. 1.) Inheritance of a melaninlike pigment in the glumes and caryopses of barley. R. W. Woodward.

G-1214. (In Vol. 63, No. 3.) Inheritance of quantitative characters in crosses involving two species of *Lycopersicon*. LeRoy Powers.

G-1215. (In Vol. 63, No. 3.) Inheritance of stages of earliness in an interspecific cross between *Lycopersicon esculentum* and *L. pimpinellifolium*. Channing B. Lyon.

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Separates—Continued.

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- G-1218. (In Vol. 63, No. 2.) Sulphur and trace-element nutrition of *Aspergillus niger*. Robert A. Steinberg.
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- G-1220. (In Vol. 63, No. 1.) Further studies of the photoperiodic behavior of some mints (Labiatae). H. A. Allard.
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- G-1224. (In Vol. 63, No. 9.) Soil bacteriological studies on the control of the phymatotrichum root rot of cotton. Roland B. Mitchell, Dalton R. Hooton, and Francis E. Clark.
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- K-312. (In Vol. 63, No. 5.) Histochemical detection of glycogen in blood cells of the southern armyworm (*Prodenia eridania*) and in other tissues, especially midgut epithelium. J. Franklin Yeager and Sam C. Munson.
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- Minn.-117. (In Vol. 63, No. 4.) Inheritance of reaction to common scab in the potato. F. A. Krantz and Carl J. Eide.
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- Pa.-68. (In Vol. 63, No. 1.) The distribution of potassium in bright leaf cigarette tobacco and its influence on the quality of the leaf. M. F. Gribbins, J. J. Reid, and D. E. Haley.
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- Wis.-129. (In Vol. 63, No. 1.) Certain enviroanal and nutritional factors affecting aphanomyces root rot of garden pea. Paul G. Smith and J. C. Walker.

Vol. 63, No. 12, December 15, 1941.

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